AASP African American Studies Fall 2014

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Shane Walsh MWF 10:00am - 10:50am	Seats (Total: 35) WDS 1114
0201	Shane Walsh MWF 12:00pm - 12:50pm	Seats (Total: 35) TYD 2109
0301	Jonathan England TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 1114
0401	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1101
0501	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 35) SYM 0215
0601	Jason Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 1101

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jonathan England	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	TYD 1101

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Formerly: AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie	Seats (Total: 36)
	TuTh 2:00pm - 3:15pm	SQH 1103

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo	Seats (Total: 45)
	Th 4:00pm - 6:30pm	TYD 2111

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Renina Jarmon MWF 11:00am - 11:50am	Seats (Total: 35) MTH 0303
0102	Renina Jarmon MWF 1:00pm - 1:50pm	Seats (Total: 35) SQH 1121
0103	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 0111
0104	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) LEF 1201

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 8) TYD 0111

AASP274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

AASP274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not have completed any courses from ENGL278C, AASP274, AASP298W, ENGL274, ENGL271, ENGL294N, or ENGL294. Also offered as: ENGL274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: AASP298W. Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Dorothy Phaire	Seats (Total: 20)
	TuTh 9:30am - 10:45am	NCC 0120

AASP297 **Research Methods in African American Studies**

AASP297 Research Methods in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R. Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Sharon Harley	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TLF 1102

AASP298B **Special Topics in African American Studies; The Constructions of Manhood and Womanhood in the Black Community**

AASP298B Special Topics in African American Studies: The Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST265. Credit granted for AASP298B or WMST265.

0101	Ida Jones	Seats (Total: 35)
	Tu 6:00pm - 8:30pm	TYD 2102

AASP298C **Special Topics in African American Studies; African-American History to 1865**

AASP298C Special Topics in African American Studies: African-American History to 1865; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298C. Credit will be granted for AASP298C or HIST 254.

0101	Christopher Bonner TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1118

AASP298L **Special Topics in Afro-American Studies: African-American Literature and Culture**

AASP298L Special Topics in Afro-American Studies: African-American Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as ENGL234. Credit granted for AASP298L or ENGL234.

0101	Lewis Gleich TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0120
0201	Abbey Morgan MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0125

AASP298V **Special Topics in African American Studies; The Blues as a Cultural Art Form**

AASP298V Special Topics in African American Studies: The Blues as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.

0101	Harold Anderson W 1:00pm - 3:30pm	Seats (Total: 35) NCC 0130

AASP298Y **Special Topics in African American Studies; Making of the Caribbean**
Contact department for information to register for this course.

AASP301 **Applied Policy Analysis and the Black Community**

AASP301 Applied Policy Analysis and the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP101; and (ECON201 or ECON200). Recommended: Completion of one semester of statistics is recommended. Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.

0101	Odis Johnson	Seats (Total: 24)
	Th 4:00pm - 6:30pm	PLS 1184

AASP314 **The Civil Rights Movement**

AASP314 The Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or HIST157. Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.

0101	Jerry Semper	Seats (Total: 37)
	W 4:00pm - 6:30pm	SQH 2117

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department; and junior standing or higher.

Contact department for information to register for this course.

AASP395 **Fundamentals of Quantitative Research in Socio-Cultural Perspective**

AASP395 Fundamentals of Quantitative Research in Socio-Cultural Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in African American Studies program; and junior standing or higher. Introduction to quantitative methods for African American Studies majors in the cultural and social analysis concentration. Basics of survey design and experimental design and data analysis and use of statistical software programs.

0101	Gniesha Dinwiddie TuTh 11:00am - 12:15pm	Seats (Total: 20) SKN 1115

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Sharon Harley Tu 2:00pm - 4:30pm	Seats (Total: 15) TLF 1102

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398B **Selected Topics in the African Diaspora; African American Communities and Runaway Slaves in the U.S. South**

AASP398B Selected Topics in the African Diaspora: African American Communities and Runaway Slaves in the U.S. South; (3 credits) Grade Method: REG/P-F/AUD.

0101	David Terry Tu 4:00pm - 6:30pm	Seats (Total: 35) LEF 1201

AASP398F **Selected Topics in the African Diaspora; African American Folklore in Film and Literature**

AASP398F Selected Topics in the African Diaspora: African American Folklore in Film and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL368D. Credit granted for ENGL368D or AASP398F.

0101	Barry Pearson	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	TWS 1106

AASP398J **Selected Topics in the African Diaspora; Caribbean Literature in English**

AASP398J Selected Topics in the African Diaspora: Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL362. Credit granted for ENGL362 or AASP398J.

0101	Merle Collins	Seats (Total: 28)
	TuTh 3:30pm - 4:45pm	TWS 0236

AASP398Q **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

AASP398Q Selected Topics in the African Diaspora: Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Choflet	Seats (Total: 35)
	Th 4:00pm - 6:30pm	JMZ 2123

AASP400 **Directed Readings in African American Studies**

AASP400 Directed Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: AASP202 or AASP100. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students. Also offered as WMST498Y. Credit will be granted for one of the following: AASP400, AASP400H, or WMST498Y.

0101	Sangeetha Madhavan	Seats (Total: 25)
	W 2:00pm - 4:30pm	TYD 2102

AASP400H **Directed Readings in African American Studies**

AASP400H *(PermReq)* **Directed Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: AASP202 or AASP100. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students. For general honors students only.

0101	Sangeetha Madhavan	Seats (Total: 5)
	W 2:00pm - 4:30pm	TYD 2102

AASP468A **Special Topics in Africa and the Americas; Social Inequalities and Health in the African Diaspora**

AASP468A Special Topics in Africa and the Americas: Social Inequalities and Health in the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Turner	Seats (Total: 35)
	W 3:00pm - 5:30pm	JMP 1109

AASP478K **Humanities Topics in African American Studies; African-American Literature: 1945 to Present**

AASP478K Humanities Topics in African American Studies: African-American Literature: 1945 to Present; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL472. Credit granted for ENGL472 or AASP478K.

0101	Mary Washington	Seats (Total: 23)
	MW 5:00pm - 6:15pm	TWS 0214

AASP478N **Humanities Topics in African American Studies; African-American Literature: 1910-1945**

AASP478N Humanities Topics in African American Studies: African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL471. Credit granted for ENGL471 or AASP478N.

0101	Instructor: TBA	Seats (Total: 23)
	TuTh 2:00pm - 3:15pm	TWS 1106

AASP498O **Special Topics in Black Culture; African American and Latino Social, Cultural and Political Relations: 1940 to Present**

AASP498O Special Topics in Black Culture: African American and Latino Social, Cultural and Political Relations: 1940 to Present; (3 credits) Grade Method: REG.

0101	Jason Nichols	Seats (Total: 35)
	W 4:00pm - 6:30pm	SQH 2122

AASP499M **Advanced Topics in Public Policy and the Black Community; A Socially Constructive Historical Account of Black Masculinities**

AASP499M Advanced Topics in Public Policy and the Black Community: A Socially Constructive Historical Account of Black Masculinities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Christopher St.Vil	Seats (Total: 25)
	M 4:00pm - 6:30pm	ASY 3219

AASP499N **Advanced Topics in Public Policy and the Black Community; Gentrification: The Evolution of Urban Neighborhoods**

AASP499N Advanced Topics in Public Policy and the Black Community: Gentrification: The Evolution of Urban Neighborhoods; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.

0101	Leila Batties	Seats (Total: 35)
	Th 3:30pm - 6:00pm	JMZ 2206

AASP499P **Advanced Topics in Public Policy and the Black Community; African-American Politics from Frederick Douglass to Barack Obama**

AASP499P Advanced Topics in Public Policy and the Black Community: African-American Politics from Frederick Douglass to Barack Obama; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 35)
	M 3:00pm - 5:30pm	TYD 2102

AAST Asian American Studies Fall 2014

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C. Credit will be granted for one of the following: AAST200 or AMST298C.

0101	Julie Park MW 2:00pm - 3:15pm	Seats (Total: 40) ASY 3203	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221. Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 HBK 1112	 Discussion
0102	Instructor: TBA MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 HBK 1112	 Discussion
0103	Instructor: TBA MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 HBK 0103	 Discussion

0104	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 HBK 1112	 Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: ENGL233. Credit only granted for: ENGL233 or AAST233. A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis M 5:00pm - 7:30pm	Seats (Total: 30) ASY 3207	

AAST298R **Special Topics in Asian American Studies; Race, Gender, and Ethnicity in American Theatre and Culture,1750-1900**

AAST298R Special Topics in Asian American Studies: Race, Gender, and Ethnicity in American Theatre and Culture,1750-1900; (3 credits) Grade Method: REG/P-F/AUD.

0101	Esther Lee MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) PAC 1815 PAC 1815	 Discussion
0102	Esther Lee MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) PAC 1815 PAC 1815	 Discussion

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Janelle Wong Contact instructor or department for details.	Seats (Total: 5)	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Janelle Wong	Seats (Total: 5)
	Contact instructor or department for details.	

AAST398D **Selected Topics in Asian American Studies; Filipino American History and Biography**

AAST398D Selected Topics in Asian American Studies: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as AMST328J. Credit granted for AAST398D or AMST328J. Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy. We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus	Seats (Total: 35)
	Tu 5:00pm - 7:45pm	ASY 3207

AAST398E **Selected Topics in Asian American Studies; Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

AAST398E Selected Topics in Asian American Studies: Growing Up Asian American: The Asian Immigrant Family and the Second Generation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328V. Credit granted for AAST398E or AMST328V. An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and

0101	Thu Khuc	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	ARC 1105

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

0101	Douglas Ishii	Seats (Total: 15)
	M 3:00pm - 5:30pm	PLS 1172

AAST424 **Sociology of Race Relations**
Contact department for information to register for this course.

AAST498F **Advanced Topics in Asian American Studies; Race and Public Memory**

AAST498F Advanced Topics in Asian American Studies: Race and Public Memory; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418V and HIST429C. Credit will be granted for AAST498F, AMST418V, or HIST429C. This seminar brings together explorations of Asian American, Black, Latino, and Native American histories and ways their stories have interacted with public history that extend beyond the boundaries of academic scholarship. How have members of racial minority groups been featured in the public eye through popular representations at museums, parks, film and television, the internet and websites, libraries, galleries, community centers, and many other venues which provide interpretations of the past? The course explores scholarship, places, myth and memory making.

0101	Franklin Odo	Seats (Total: 20)
	W 2:30pm - 5:00pm	EGR 1110

AAST498I **Advanced Topics in Asian American Studies; Asian American Leadership**

AAST498I Advanced Topics in Asian American Studies: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418A. Credit granted for AAST498I or EDCP418A. Students are given the opportunity to think critically about leadership in relation to Asian Pacific American (APA) identity. We will explore how racism, history, and society have interacted to shape leaders and also focus on critical issues facing APA student activists/leaders to help develop leadership, activism and managerial skills.

0101	Jude Paul Dizon, James McShay	Seats (Total: 19)
	TuTh 11:00am - 12:15pm	ASY 3217

AAST498M **Advanced Topics in Asian American Studies; Asian American Public Policy**

AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418N. Prerequisite: AAST200/AMST298C or AAST201/HIST221 encouraged. Credit will be granted for AAST498M or AMST418N. Using Asian Pacific Americans as a case study, the development of public policy in America will be analyzed. Each week, topics such as the movement to redress the wartime internment of Japanese Americans will serve as backdrops for discussion. Three highlights of the class will be a field trip to Annapolis, to see how policy is made; a visit to the Smithsonian, to se how memories of public policy debates are preserved; and oral history videotaping of APA community members that the students will do themselves.

0101	Philip Nash	Seats (Total: 20)
	M 5:00pm - 7:30pm	JMZ 3120

AAST498T **Advanced Topics in Asian American Studies; Asian American Politics**

AAST498T Advanced Topics in Asian American Studies: Asian American Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498J or GVPT368C. Credit granted for AAST498T, AMST498J, or GVPT368C. Students will gain a greater understanding of 1) the role of Asian Americans in US politics 2) the political attitude and behaviors of Asian Americans and 3) the research methods related to the study of Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of America's multicultural political landscape.

0101	Janelle Wong	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

AAST498Y **Advanced Topics in Asian American Studies; The Multiracial Experience in the US**

AAST498Y Advanced Topics in Asian American Studies: The Multiracial Experience in the US; (3 credits) Grade Method: REG/P-F/AUD.
Course will focus on multiracial ("mixed race") identity and how the experiences of multiracial people contribute to our broader understanding of racial identity and formation. Course draws on literature and research produced by and about multiracial people. In addition, students will access the topic through comment boards, live chat sessions, podcasts, and multimedia. Readings and other course materials have been selected to challenge and grow students' understandings of race and mixed race. Also offered as AMST418W.

0101	Lawrence-Minh Davis	Seats (Total: 35)
	W 5:00pm - 7:30pm	ASY 3207

AGNR Agriculture and Natural Resources Fall 2014

AGNR270 **Technology Training Seminar**

AGNR270 Technology Training Seminar; (3 credits) Grade Method: REG.
Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-College of Agriculture & Natural Resources. Also offered as: BSCI279. Credit only granted for: AGNR270 or BSCI279. A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability. Restricted to AGNR majors only.

0101	Deborah Mateik	Seats (Total: 5)
	F 10:00am - 12:30pm	CSS 1410

AGNR301 **Sustainability**

AGNR301 Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: PUAF301. Credit only granted for: AGNR301 or PUAF301. Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 145) CSI 1115

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter Contact instructor or department for details.	Seats (Total: 5)

AGNR499 **Special Problems; Special Problems**

AGNR499 *(PermReq)* **Special Problems: Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

0102	Evelyn Cooper Contact instructor or department for details.	Seats (Total: 1)

AMSC Applied Mathematics & Scientific Computation — Fall 2014

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0304
0201	Changhui Tan TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 0409

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 25) MTH 1311

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC614 **Mathematics of the Finite Element Method**

AMSC614 Mathematics of the Finite Element Method; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one semester graduate level course in partial differential equations; or permission of instructor. Variational formulations of linear and nonlinear elliptic boundary value problems; formulation of the finite element method; construction of finite element subspaces; error estimates; eigenvalue problems; time dependent problems.

0101	Ricardo Nochetto TuTh 5:00pm - 6:15pm	Seats (Total: 25) MTH 1313

AMSC660 **Scientific Computing I**

AMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG.
Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation); and permission of instructor). Also offered as: CMSC660. Credit only granted for: AMSC660 or CMSC660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.

0101	Ramani Duraiswami	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	CSI 3120

AMSC663 **Advanced Scientific Computing I**

AMSC663 *(PermReq)* **Advanced Scientific Computing I; (3 credits)** Grade Method: REG.
Prerequisite: CMSC660 or AMSC660; and (CMSC661 or AMSC661). Restriction: Permission of instructor. Also offered as: CMSC663. Credit only granted for: AMSC663 or CMSC663. In the sequence AMSC663, AMSC664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Kayo Ide, Howard Elman	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	CSI 4122

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: CMSC666. Credit only granted for: AMSC666 or CMSC666. Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization. Click here for more course information.

0101	Instructor: TBA	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CHM 0124

AMSC673 **Partial Differential Equations I**

AMSC673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Also offered as: MATH673. Credit only granted for: AMSC673 or MATH673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only. Also offered as MATH673.

0101	Pierre-Emmanuel Jabin	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH B0431

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

AMSC760 *(PermReq)* **Applied Statistics Practicum; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator. A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	Hector Corrada Bravo	Seats (Total: 25)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

AMSC762 *(PermReq)* **Data Analysis Project; (1 credit)** Grade Method: REG. This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Instructor: TBA	Seats (Total: 25)
	Contact instructor or department for details.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC808A **Advanced Topics in Applied Mathematics**

AMSC808A Advanced Topics in Applied Mathematics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Fall 2014

AMST101 **Introduction American Studies**

AMST101 Introduction American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: AMST101 or AMST201. Formerly: AMST201.* Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0101	Robert Jiles MWF 9:00am - 9:50am	Seats (Total: 25) SQH 1111	
0201	Robert Jiles MWF 1:00pm - 1:50pm	Seats (Total: 25) SQH 1111	
0301	Kalima Young TuTh 8:00am - 9:15am	Seats (Total: 25) SQH 1111	
0401	Tony Perry TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 1111	
FC01	Jennie Chaplin MW 4:30pm - 5:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 15) SQH 1111	
FCH1	Ellen Griff F 10:00am - 11:15am Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 15) KEY 0124 ONLINE	 Discussion

AMST202 **Cultures of Everyday Life in America**

AMST202 Cultures of Everyday Life in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

0101	Jennie Chaplin MWF 10:00am - 10:50am	Seats (Total: 25) SQH 1111	

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Michael Casiano TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1111	
0201	Michael Casiano TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1111	
FCH1	Tatiana Benjamin F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 14) ASY 3203 ONLINE	Discussion
FCH2	Tatiana Benjamin F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 14) KEY 0120 ONLINE	Discussion

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Patricia Akinbola TuTh 9:30am - 10:45am	Seats (Total: 25) SQH 1123	
FCH1	Izetta Mobley F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 15) KEY 0124 ONLINE	Discussion
FCH2	Izetta Mobley F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 15) KEY 0124 ONLINE	Discussion

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

FCH2	Terrance Wooten F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshmen Connenction.*	Seats (Total: 15) ARM 0121 ONLINE	Discussion

AMST260 **American Culture in the Information Age**

AMST260 American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Credit only granted for: AMST260 or AMST298I. Formerly: AMST298I.* Examines the ways in which content and form of public information interact with the culture, families & individuals.

0101	Asim Ali MW 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1103	 Discussion
0102	Asim Ali MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1103	 Discussion
0103	Asim Ali MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1101	 Discussion
0104	Asim Ali MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1103	 Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200. Credit granted for AAST200 or AMST298C.

0101	Julie Park MW 2:00pm - 3:15pm	Seats (Total: 40) ASY 3203	

AMST328A **Perspectives on Identity and Culture; Latina/o Sexualities: Borders, Migration, and Citizenship**

AMST328A Perspectives on Identity and Culture: Latina/o Sexualities: Borders, Migration, and Citizenship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cristina Perez MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) ARC 1103 ONLINE

AMST328J **Perspectives on Identity and Culture; Filipino American History and Biography**

AMST328J Perspectives on Identity and Culture: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.
Also offered ad AAST398D. Credit granted for AAST398D or AMST328J. Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus Tu 5:00pm - 7:45pm	Seats (Total: 35) ASY 3207

AMST328K **Perspectives on Identity and Culture; American Indian Literatures: Traditions, Protest, and Renewal**

AMST328K Perspectives on Identity and Culture: American Indian Literatures: Traditions, Protest, and Renewal; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL339A. Credit granted for ENGL339A or AMST328K.

0101	Ralph Bauer MW 5:00pm - 6:15pm	Seats (Total: 28) TWS 0205

AMST328M **Perspectives on Identity and Culture; The Politics of Chicano Literature**

AMST328M Perspectives on Identity and Culture: The Politics of Chicano Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL358C and USLT498Y. Credit granted for ENGL358C, AMST328M or USLT498Y.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 28) TWS 0214

AMST328V **Perspectives on Identity and Culture; Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

AMST328V Perspectives on Identity and Culture: Growing Up Asian American: The Asian Immigrant Family and the Second Generation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398E. Credit granted for AAST398E or AMST328V. An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and communication, filiality and disownment, mental health and suicide.

0101	Thu Khuc	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	ARC 1105

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Mary Sies	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SQH 2113

AMST386 **Experiential Learning**

AMST386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

0601	Jo Paoletti	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418A **Cultural Themes in America; African-American Visual and Material Culture**

AMST418A Cultural Themes in America: African-American Visual and Material Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Cheryl LaRoche W 4:00pm - 6:40pm	Seats (Total: 25) HBK 0123

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in AMST.

Contact department for information to register for this course.

AMST418K **Cultural Themes in America; Film and the American Landscape**

AMST418K Cultural Themes in America: Film and the American Landscape; (3 credits) Grade Method: REG/P-F/AUD.

0101	Susan Pramschufer TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0302H

AMST418N **Cultural Themes in America; Asian American Public Policy**

AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498M. Prerequisite: AAST200/AMST298C or AAST201/HIST221 encouraged. Credit will be granted for AAST498M or AMST418N. Using Asian Pacific Americans as a case study, the development of public policy in America will be analyzed. Each week, topics such as the movement to redress the wartime internment of Japanese Americans will serve as backdrops for discussion. Three highlights of the class will be a field trip to Annapolis, to see how policy is made; a visit to the Smithsonian, to se how memories of public policy debates are preserved; and oral history videotaping of APA community members that the students will do themselves.

0101	Philip Nash	Seats (Total: 20)
	M 5:00pm - 7:30pm	JMZ 3120

AMST418O **Cultural Themes in America; Laugh Until It Hurts: African American Humor and Its Social Contexts**

AMST418O Cultural Themes in America: Laugh Until It Hurts: African American Humor and Its Social Contexts; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three prior credit hours of AMST coursework.

0101	Instructor: TBA	Seats (Total: 35)
	M 3:00pm - 5:40pm	SQH 2117

AMST418V **Cultural Themes in America; Race in the Public Eye: Memory, Memorials, and America's Multicultural Public History**

AMST418V Cultural Themes in America: Race in the Public Eye: Memory, Memorials, and America's Multicultural Public History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498F and HIST429C. Credit will be granted for AAST498F, AMST418V, or HIST429C. This seminar brings together explorations of Asian American, Black, Latino, and Native American histories and ways their stories have interacted with public history history that extends beyond the boundaries of academic scholarship. How have members of racial minority groups been featured in the public eye through popular representations at museums, parks, film and television, the internet and websites, libraries, galleries, community centers, and many other venues which provide interpretations of the past? The course explores scholarship, places, myth and memory making.

0101	Franklin Odo W 2:30pm - 5:00pm	Seats (Total: 20) EGR 1110

AMST418W **Cultural Themes in America; The Multiracial Experience in the US**

AMST418W Cultural Themes in America: The Multiracial Experience in the US; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lawrence-Minh Davis W 5:00pm - 7:30pm	Seats (Total: 35) ASY 3207

AMST429B **Perspectives on Popular Culture; Strategies for Social Activism**

AMST429B Perspectives on Popular Culture: Strategies for Social Activism; (3 credits) Grade Method: REG/P-F/AUD.
Permission required. This is the second semester of the College of Arts and Humanities Social Innovation Scholars Program. Students must have completed AMST429J/ARHU439J in Spring 2014 to enroll.

0101	Sheri Parks F 2:00pm - 5:00pm	Seats (Total: 15) TWS 0221

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Jo Paoletti MW 10:00am - 11:15am	Seats (Total: 20) SQH 2113

AMST498B **Special Topics in American Studies; Fashion and Consumer Culture in the U.S.**

AMST498B Special Topics in American Studies: Fashion and Consumer Culture in the U.S.; (3 credits) Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as AMST628A. Credit granted for AMST498B or AMST628A.

0101	Jo Paoletti	Seats (Total: 35)	
	MW 2:00pm - 2:50pm	SQH 1101	
	Class time/details on ELMs	ONLINE	Discussion

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

AMST498G Special Topics in American Studies: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG.
Also offered as USLT498A. Credit granted for USLT498A or AMST498G.

0101	Robert Chester	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1107

AMST498J **Special Topics in American Studies; Asian American Politics**

AMST498J Special Topics in American Studies: Asian American Politics; (3 credits) Grade Method: REG.
Also offered as AAST498T or GVPT368C. Credit granted for AAST498T, AMST498J, or GVPT368C. Students will gain a greater understanging of 1)the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3) help students to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of Americas multicultural political landscape.

0101	Janelle Wong	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

AMST498L **Special Topics in American Studies; Native Americans and U.S. Cinema**

AMST498L Special Topics in American Studies: Native Americans and U.S. Cinema; (3 credits) Grade Method: REG.

0101	Robert Chester	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1117

AMST498M **Special Topics in American Studies; Latinas/os and U.S. Popular Culture**

AMST498M Special Topics in American Studies: Latinas/os and U.S. Popular Culture; (3 credits) Grade Method: REG.
Also offered as USLT498B. Credit granted for USLT498B or AMST498M.

0101	Cristina Perez	Seats (Total: 35)	
	MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	ARC 1105 ONLINE	

AMST601 **Introductory Theories and History in American Studies**

AMST601 Introductory Theories and History in American Studies; (3 credits) Grade Method: REG.
Restriction: Must not be a Graduate Advanced Special Student. Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Nancy Struna	Seats (Total: 15)	
	M 4:00pm - 6:40pm	SQH 2113	

AMST628A **Seminar in American Studies; Fashion and Consumer Culture in the United States**

AMST628A Seminar in American Studies: Fashion and Consumer Culture in the United States; (3 credits) Grade Method: REG/AUD.
Also offered as AMST498B. Credit granted for AMST498B or AMST628A.

0101	Jo Paoletti	Seats (Total: 35)	
	MW 2:00pm - 2:50pm Class time/details on ELMs	SQH 1101 ONLINE	 Discussion

AMST629D **Seminar in American Studies; Race, Class, and Material Culture**

AMST629D Seminar in American Studies: Race, Class, and Material Culture; (3 credits) Grade Method: REG/AUD.

0101	Psyche Williams-Forson	Seats (Total: 15)	
	W 4:00pm - 6:40pm	SQH 2113	

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

AMST857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: AMST856; and permission of Museum Scholarship Program required. Also offered as: ANTH857, HIST811. Credit only granted for: AMST857, ANTH857, or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

Contact department for information to register for this course.

AMST878 **American Studies Pedagogy Mentoring**

AMST878 American Studies Pedagogy Mentoring; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Fall 2014

ANSC101 **Principles of Animal Science**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 Principles of Animal Science; (2 credits) Grade Method: REG/P-F/AUD. A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized. Offered in fall semester only.

0101	Kasey Moyes	Seats (Total: 225)
	MW 1:00pm - 1:50pm	HJP 0226

ANSC103 **Principles of Animal Science Laboratory**

ANSC103 Principles of Animal Science Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in ANSC101. Restriction: Must be in one of the following programs (Environmental Sci & Pol-Environment & Agriculture; Agricultural and Veterinary Medicine; Agricultural Science and Technology) ; or must be in a major within AGNR-Animal & Avian Sciences department; or permission of department required for students in other College of AGNR programs. Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only. Students must pay a $50.00 laboratory materials fee.

0101	Robert Peters M 3:00pm - 5:00pm	Seats (Total: 22) ANS 1144	Lab
0201	Robert Peters Tu 2:00pm - 3:50pm	Seats (Total: 22) ANS 1144	Lab
0301	Robert Peters F 10:00am - 12:00pm	Seats (Total: 22) ANS 1144	Lab
0401	Robert Peters Th 2:00pm - 4:00pm	Seats (Total: 22) ANS 1144	Lab
0501	Robert Peters W 3:00pm - 5:00pm	Seats (Total: 22) ANS 1144	Lab
0601	Robert Peters M 10:00am - 12:00pm	Seats (Total: 22) ANS 1144	Lab

ANSC211 Anatomy of Domestic Animals

ANSC211 Anatomy of Domestic Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, ANSC103, and BSCI105. Restriction: Must be in Environmental Sci&Pol-Wildlife Resources & Cons program. Covering the anatomy of major species of domestic animals. The lecture portion utilizes a systemic approach to provide a general knowledge of both gross and microscopic mammalian structure. Comparative differences between the major domestic species are covered in these lectures. A regional approach is taken to study the gross anatomy of major domestic species in the laboratory portion. Offered fall semester only. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black MW 2:00pm - 2:50pm M 3:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0102	Angela Black MW 2:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0103	Angela Black MW 2:00pm - 2:50pm M 11:00am - 12:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0104	Angela Black MW 2:00pm - 2:50pm W 11:00am - 12:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab

ANSC220 **Livestock Management**

ANSC220 Livestock Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Management of meat animals including beef, sheep, and swine. This course will emphasize obtaining optimal efficiency of production through the integration of leading edge breeding, feeding, management, and marketing practices.

0101	R Apter TuTh 11:00am - 12:15pm	Seats (Total: 35) ANS 0408	

ANSC225 **Love Me, Hate Me, Use Me, Save Me: Our Conflicting Views of Animals**

ANSC225 Love Me, Hate Me, Use Me, Save Me: Our Conflicting Views of Animals; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Examine the evolution of human-animal relationships and consider some of the major social an scientific debates that have arisen in the last century as a result of our rapidly changing and diverse views about animals.

0101	Sarah Balcom MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) ANS 0408 ANS 0412	 Discussion
0102	Sarah Balcom MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) ANS 0408 ANS 0408	 Discussion
0103	Sarah Balcom MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) ANS 0408 ANS 0412	 Discussion

ANSC227 **Eating with Eyes Wide Open**

ANSC227 Eating with Eyes Wide Open; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Students will investigate the tension that is created by trade-offs that, knowingly or not, are made by consumers relative to agricultural production methods and dietary choices. Course will inform students about their food supply so they can make informed decisions and practice intentional or informed eating.

0101	R Apter TuTh 9:30am - 10:20am M 1:00pm - 2:50pm	Seats (Total: 20) BPS 1243 ANS 1144	 Lab
0102	R Apter TuTh 9:30am - 10:20am W 8:00am - 9:50am	Seats (Total: 20) BPS 1243 ANS 1144	 Lab
0103	R Apter TuTh 9:30am - 10:20am W 1:00pm - 2:50pm	Seats (Total: 20) BPS 1243 ANS 1144	 Lab

ANSC252 **Introduction to the Diseases of Wildlife**

ANSC252 Introduction to the Diseases of Wildlife; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105; or permission of AGNR-Animal & Avian Sciences department; or students who have taken courses with comparable content may contact the department. The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved. Offered fall only.

0101	Cindy Driscoll	Seats (Total: 80)	
	M 4:00pm - 5:50pm	ANS 0408	
	M 6:00pm - 6:50pm	ANS 0408	Discussion

ANSC255 **Introduction to Aquaculture**

ANSC255 Introduction to Aquaculture; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANSC101 and ANSC103; or must have completed an introductory biology course. Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment.

0101	L Woods	Seats (Total: 20)
	TuTh 11:00am - 12:50pm	ANS 1144

ANSC275 **Introduction to Veterinary Medical Science and Practice**

ANSC275 Introduction to Veterinary Medical Science and Practice; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice. *Prerequisite: BSCI105.* The fundamentals of clinical veterinary medical practice and the research that supports it. Topics presented will include the histology, gross anatomy and physiology of the musculoskeletal, cardiovascular, respiratory, reproductive, digestive, renal and neurological systems as they relate to the description of specific disease states taught in this course. Additionally, examples of diseases caused by pathologic disturbances to these systems will be discussed, as well as the basic principles of preventative health care, diagnostic testing and pharmacologic intervention. Significant attention will be given to research in veterinary science and the practice of evidence-based medicine. This course is intended for any student interested in veterinary medicine, animal physiology, or medical science.

0101	Sarah Balcom	Seats (Total: 45)
	MWF 9:00am - 9:50am	ANS 0412

ANSC314 **Comparative Animal Nutrition**

ANSC314 Comparative Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103; and (CHEM231 or CHEM104).* The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes. Offered fall only.

0101	Richard Kohn	Seats (Total: 88)
	MWF 9:00am - 9:50am	ANS 0408

ANSC330 **Equine Science**

ANSC330 Equine Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC232; or permission of instructor. Recommended: ANSC212 and ANSC211. Credit only granted for: ANSC230 or ANSC330. Formerly: ANSC230.* Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk	Seats (Total: 20)	
	MW 1:00pm - 1:50pm F 2:00pm - 4:00pm	ANS 0402 ANS 1144	 Lab

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC446 **Physiology of Mammalian Reproduction**

ANSC446 Physiology of Mammalian Reproduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212 or BSCI440. Anatomy and physiology of reproductive processes in domesticated and wild mammals.

0101	Bhanu Telugu	Seats (Total: 80)	
	TuTh 2:00pm - 3:15pm	ANS 0408	

ANSC447 **Physiology of Mammalian Reproduction Laboratory**

ANSC447 *(PermReq)* **Physiology of Mammalian Reproduction Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in ANSC446. Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction. Students must pay a $50.00 laboratory materials fee.

0101	Bhanu Telugu	Seats (Total: 30)	
	F 12:00pm - 1:50pm	ANS 0108	Lab

ANSC455 **Applied Animal Behavior**

ANSC455 Applied Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103; or BSCI106.* Principles of animal behavior applied to production systems in animal agriculture. Offered fall only.

0101	R Apter	Seats (Total: 50)	
	MF 11:00am - 11:50am	ANS 0408	
	W 11:00am - 12:50pm	ANS 0408	Lab

ANSC460 **Comparative Vertebrate Immunology**

ANSC460 Comparative Vertebrate Immunology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212, BSCI201, or BSCI440. Credit only granted for: ANSC460 or ANSC489I. Formerly: ANSC489I. Basic concepts in immunology, and comparing immunity in different vertebrates, including organization of immune systems, innate and adaptive immune responses. Special attention will be paid to how cell-mediated and humoral immune responses are induced in natural infections, and what are the effector mechanisms in both of these processes. Immune response in representative disease models such as infections with viruses and bacteria, cancer, and autoimmune disease will be discussed. Lectures concerning cutting-edge research will also be given.

0101	Zhengguo Xiao	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	ANS 0412	

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489K **Current Topics in Animal Science; Molecular Regulation of Essential Minerals**

ANSC489K Current Topics in Animal Science: Molecular Regulation of Essential Minerals; (3 credits) Grade Method: REG/P-F/AUD.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	ANS 0412

Prerequisites: CHEM131; and ANSC101 or BSCI105; Recommended: BCHM463; o permission of instructor. The role of essential mineral elements in animal health and in pathology is addressed. Students will read, present, and critically discuss the primary research literature on the biochemistry of minerals, with an emphasis on emerging themes in nutrient regulation of gene expression, and mineral homeostasis and physiology.

ANSC489M **Current Topics in Animal Science; Gut Microbiome and Its Roles in Health and Disease**

ANSC489M Current Topics in Animal Science: Gut Microbiome and Its Roles in Health and Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223, or ANSC212/214, or ANSC327; or permission of department. This course takes a comprehensive perspective of the role of gut microbiome/microflora in nutrition, metabolism, disease prevention, and health issues including farm animal health and food value, and human gastrointestinal health and immunity.

0101	Debabrata Biswas	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ANS 0402

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688C **Special Topics; Cognitive Ethology**

ANSC688C Special Topics: Cognitive Ethology; (1-4 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688I **Special Topics; Comparative Vertebrate Immunology**

ANSC688I Special Topics: Comparative Vertebrate Immunology; (3 credits) Grade Method: REG/AUD.

0101	Zhengguo Xiao	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ANS 0412

ANSC688K **Special Topics; Molecular Regulation of Essential Minerals**

ANSC688K Special Topics: Molecular Regulation of Essential Minerals; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM131; and ANSC101 or BSCI105; Recommended: BCHM463; or permission of instructor. The role of essential mineral elements in animal health and in pathology is addressed. Students will read, present, and critically discuss the primary research literature on the biochemistry of minerals, with an emphasis on emerging themes in nutrient regulation of gene expression, and mineral homeostasis and physiology.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	ANS 0412

ANSC688M **Special Topics; Advanced Gut Microbiome and Its Roles in Health and Disease**

ANSC688M Special Topics: Advanced Gut Microbiome and Its Roles in Health and Disease; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI223, or ANSC212/214, or ANSC327; or permission of department. This course takes a comprehensive perspective of the role of gut microbiome/microflora in nutrition, metabolism, disease prevention, and health issues including farm animal health and food value, and human gastrointestinal health and immunity.

0101	Debabrata Biswas	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ANS 0402

ANSC688V **Special Topics; Introduction to University Teaching for Graduate Students**

ANSC688V Special Topics: Introduction to University Teaching for Graduate Students; (2 credits) Grade Method: REG/AUD.
Students are guided in animal sciences and related disciplines in the design and delivery of an undergraduate science course. Weekly discussions, activities, and peer assessments will center on course development strategies, current teaching methods, and relevant approaches for undergraduate student assessment. Students will create a course syllabus, instructional activities, and a student assessment.

0101	Sarah Balcom W 2:00pm - 4:00pm	Seats (Total: 14) ANS 0402

ANSC688Y **Special Topics; Lipid Metabolism**

ANSC688Y Special Topics: Lipid Metabolism; (3 credits) Grade Method: REG/AUD.
The hallmark of common diseases is the dysregulation of lipid metabolism, transport, storage, and utilization. Topics covered in this course will include lipid metabolism, lipid transport, lipid droplet cell biology, brown fat and thermogenesis, "browning" of white fat, and lipids and common diseases such as obesity, fatty liver, diabetes, and cardiovascular dis ease.

0101	Liqing Yu MW 3:00pm - 4:15pm	Seats (Total: 20) ANS 0412

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Richard Kohn Tu 3:30pm - 5:30pm	Seats (Total: 25) ANS 0408

ANSC698D **Seminar; Developing Presentation Skills**

ANSC698D Seminar: Developing Presentation Skills; (1 credit) Grade Method: REG/AUD.

0101	Richard Kohn	Seats (Total: 12)	
	Tu 3:30pm - 5:30pm	ANS 0408	
	Th 3:30pm - 4:30pm	ANS 0402	Discussion

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Fall 2014

ANTH221 **Introduction to Forensic Sciences**

ANTH221 Introduction to Forensic Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: ANTH298A or ANTH221. Formerly: ANTH298A. Provides a brief history of forensic sciences, an introduction to some of the techniques used, and a demonstration of some of the applications of forensic sciences. A survey course designed to give the student some exposure to the kinds of scientific knowledge and techniques applied to the medico-legal investigation of death and other crimes.

FCH1	Claire O'Brien W 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshmen Connenction.*	Seats (Total: 21) WDS 0104 ONLINE	Discussion

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

ANTH222 Introduction to Ecological and Evolutionary Anthropology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab; Diversity - Understanding Plural Societies.
Credit only granted for: ANTH220 or ANTH222. An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

0101	L Jen Shaffer TuTh 11:00am - 12:15pm M 8:00am - 10:00am	Seats (Total: 20) CSS 2324 WDS 0124C	Lab
0102	L Jen Shaffer TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	Lab
0103	L Jen Shaffer TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	Lab
0104	L Jen Shaffer TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) CSS 2324 WDS 0124C	Lab

0105	L Jen Shaffer TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
0106	L Jen Shaffer TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
FC01	Tanya Icaza TuTh 4:30pm - 5:45pm F 10:00am - 12:30pm *Restricted to students in Freshmen Connenction.*	Seats (Total: 15) HBK 0103 WDS 0124C	 Lab
FC02	Tanya Icaza TuTh 4:30pm - 5:45pm F 12:30pm - 3:00pm *Restricted to students in Freshmen Connenction.*	Seats (Total: 15) HBK 0103 WDS 0124C	 Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	George Hambrecht TuTh 11:00am - 12:15pm	Seats (Total: 75) SQH 1120
0201	Mark Leone MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 60) WDS 1114 HBK 0302H
FC01	Benjamin Skolnik TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 29) SKN 0104

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Elijah Edelman TuTh 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 KEY 0124	Discussion
0102	Elijah Edelman TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 TYD 1132	Discussion
0103	Elijah Edelman TuTh 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 TYD 1118	Discussion
0104	Elijah Edelman TuTh 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 ASY 3221	Discussion
0105	Elijah Edelman TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 ASY 3221	Discussion
0106	Elijah Edelman TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 ASY 3221	Discussion
FC01	David Colon Cabrera TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connenction.*	Seats (Total: 29) WDS 1114	

ANTH263 **Sexuality and Culture**

ANTH263 Sexuality and Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K. An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

FC01	Elijah Edelman	Seats (Total: 24)
	MW 4:30pm - 5:45pm	ARM 0105
	Restricted to students in Freshmen Connection.	

ANTH264 **Anthropology and Immigration**

ANTH264 Anthropology and Immigration; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An examination of the phenomenon of international migration, or immigration. Students develop awareness of how immigration has been framed in the general public and examined by social science disciplines, most prominently anthropology. Examination of case studies of different immigrant groups in distinct geographic contexts will illuminate the varied incorporation experiences of immigrants into U.S. society.

0101	Instructor: TBA	Seats (Total: 60)
	TuTh 4:30pm - 5:45pm	ASY 2309

ANTH265 **Anthropology of Global Health**

ANTH265 Anthropology of Global Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

FC01	Instructor: TBA	Seats (Total: 29)
	TuTh 7:30pm - 8:45pm	KEY 0126
	Restricted to students in Freshmen Connenction.	

ANTH298C **Special Topics in Anthropology; Culture & Environment**

ANTH298C Special Topics in Anthropology: Culture & Environment; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 35)
	MWF 10:00am - 10:50am	WDS 0104

ANTH322 **Method and Theory in Ecological Anthropology**

ANTH322 Method and Theory in Ecological Anthropology; (3 credits) Grade Method: REG.
Prerequisite: ANTH220 or ANTH222. Restriction: Must be in a major within the BSOS-Anthropology department. Credit only granted for: ANTH320, ANTH322, ANTH425, or ANTH625. A theoretical consideration of ecological anthropology, focusing on issues related to cooperation, the management of common property, resilience, and sustainability. Explores the methods of sociocultural anthropology, including ethnology, evolutionary game theory and agent-based modeling; and natural-science approaches including behavioral and systems ecology.

0101	Sean Downey	Seats (Total: 35)
	TuTh 9:30am - 10:45am	LEF 2166

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG.
Prerequisite: ANTH260. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents. Limited to Anthropology majors.

0101	Instructor: TBA	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH368Y **Regional Ethnography; Israel and its Neighbors: Heritage, Politics and Archaeology**

ANTH368Y Regional Ethnography: Israel and its Neighbors: Heritage, Politics and Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349Y. Credit will be granted for ANTH368Y or ISRL 349Y. An exploration of the cultural heritage of Ancient Israel and its neighbors and the influence of that heritage on Modern Middle Eastern religious, ethnic, racial and national identities.

0101	Sandra Scham	Seats (Total: 40)
	MW 3:30pm - 4:45pm	SQH 1101

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**
Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**
Contact department for information to register for this course.

ANTH398G **Independent Study; Ethnicity, Race and Nationality in Europe**
Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain (Honors)**
Contact department for information to register for this course.

ANTH398I **Independent Study; Great Kingdoms of Ancient Near East**
Contact department for information to register for this course.

ANTH398J **Independent Study; Archaeology Practicum**
Contact department for information to register for this course.

ANTH398K **Independent Study; Archaeology of Roman Identity**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398N **Independent Study; Career Development for Anthropology Majors**

ANTH398N Independent Study: Career Development for Anthropology Majors; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Erik Hanson	Seats (Total: 15)
	W 11:00am - 12:15pm	TYD 1108

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1 credit)** Grade Method: REG/P-F/AUD.
Required course for ANTH students undertaking capstone research and/or thesis (must be taken concurrently with ANTH 476, ANTH 477, ANTH 486, ANTH 487).

0101	William Stuart	Seats (Total: 15)
	M 12:00pm - 12:50pm	WDS 1127

ANTH398T **Independent Study; Proseminar-Capstone Thesis Writing**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis Writing; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 15)
	M 12:00pm - 12:50pm	WDS 1127

ANTH428N **Special Topics in Bioanthropology; Nutritional Anthropology**

ANTH428N Special Topics in Bioanthropology: Nutritional Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	Susan Steen Tu 2:00pm - 4:50pm	Seats (Total: 30) BLD3 3203
	This course is held at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

ANTH428R **Special Topics in Bioanthropology; Race and Ethnicity**

ANTH428R Special Topics in Bioanthropology: Race and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	Susan Steen Th 11:00am - 1:30pm	Seats (Total: 40) BLD3 4225
	Limited to CCJS students at Shady Grove or by permission of the UMCP An hropology department.	
SG92	Susan Steen Th 2:00pm - 4:40pm	Seats (Total: 40) BLD3 4225
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

ANTH429A **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens and Public Policy**

ANTH429A Advanced Special Topics in Biological Anthropology: Plagues, Pathogens and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
This course meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.

SG91	Marilyn London M 9:00am - 11:50am	Seats (Total: 30) BLD3 3225
	This section is for Shady Grove Public Health majors or permission of the Anthropology department.	

ANTH448F **Special Topics in Archaeology; Environmental Archaeology**

ANTH448F Special Topics in Archaeology: Environmental Archaeology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Click here for more course information.

0101	George Hambrecht TuTh 2:00pm - 3:15pm	Seats (Total: 20) ASY 3219

ANTH448Q **Special Topics in Archaeology; Archaeology of Modern Cities**

ANTH448Q Special Topics in Archaeology: Archaeology of Modern Cities; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Stephen Brighton TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 1130

ANTH450 **Theory and Practice of Environmental Anthropology**

ANTH450 Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Junior standing or higher. Also offered as: ANTH650. Credit only granted for: ANTH450 or ANTH650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach.

0101	Michael Paolisso TuTh 11:00am - 12:15pm	Seats (Total: 17) WDS 1127

ANTH468D **Special Topics in Cultural Anthropology; Amazon Through Film**

ANTH468D Special Topics in Cultural Anthropology: Amazon Through Film; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Also offered as LASC448Q. Click here for more course information.

0101	Janet Chernela M 2:00pm - 4:45pm	Seats (Total: 31) ASY 3215

ANTH468J **Special Topics in Cultural Anthropology; Race and Ethnicity in Brazil**

ANTH468J Special Topics in Cultural Anthropology: Race and Ethnicity in Brazil; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448F. Click here for more course information.

0101	Janet Chernela M 6:00pm - 8:45pm	Seats (Total: 30) WDS 0104

ANTH468K **Special Topics in Cultural Anthropology; Social Organization: The Anthropology of Marriage and Kinship**

ANTH468K Special Topics in Cultural Anthropology: Social Organization: The Anthropology of Marriage and Kinship; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	William Stuart TuTh 12:30pm - 1:45pm	Seats (Total: 30) MMH 3418

ANTH468V **Special Topics in Cultural Anthropology; Global Health, Society, and Culture: Perspectives from Medical Anthropology**

ANTH468V Special Topics in Cultural Anthropology: Global Health, Society, and Culture: Perspectives from Medical Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Thurka Sangaramoorthy TuTh 2:00pm - 3:15pm	Seats (Total: 8) JMZ 2122

ANTH468X **Special Topics in Cultural Anthropology; Self, Health, and Sexuality in Contemporary Africa**

ANTH468X Special Topics in Cultural Anthropology: Self, Health, and Sexuality in Contemporary Africa; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Instructor: TBA	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 2109

ANTH469Q **Advanced Special Topics in Cultural Anthropology; Religion, Possession and Exorcism**

ANTH469Q Advanced Special Topics in Cultural Anthropology: Religion, Possession and Exorcism; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MMH 3418

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH491 **Applied Urban Ethnography**

ANTH491 Applied Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANTH260. Also offered as: ANTH617. Credit only granted for: ANTH468B, ANTH491, or ANTH617. Formerly: ANTH468B. The focus is on the use of applied ethnographic field methods in community assessment research in urban settings. Also, it will extend beyond most ethnographic training in which the emphasis is on being there, and relying predominantly on the classical ethnographic methods of recursive observations, participant observations, and a variety of approaches to interviewing.

0101	Tony Whitehead	Seats (Total: 20)
	Th 2:00pm - 4:45pm	TYD 2108

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

ANTH498C *(PermReq)* **Advanced Field Training in Ethnography: Service Learning for Applied Urban Ethnography; (1 credit)** Grade Method: REG/P-F/AUD. Requires 4 hours/week of off-campus service learning. Can only be taken concurrently with ANTH491 or ANTH617.

0101	Tony Whitehead	Seats (Total: 1)
	Contact instructor or department for details.	

ANTH498O **Advanced Field Training in Ethnography; Teaching Anthropology**

ANTH498O Advanced Field Training in Ethnography: Teaching Anthropology; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	L Jen Shaffer	Seats (Total: 15)
	F 12:00pm - 1:15pm	HBK 0115

ANTH601 **Applied Anthropology**

ANTH601 Applied Anthropology; (3 credits) Grade Method: REG.
An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology. Offered fall only. For ANTH majors only.

0101	Mary Butler	Seats (Total: 20)
	W 5:00pm - 7:40pm	WDS 1114

ANTH606 **Qualitative Methods in Applied Anthropology**

ANTH606 Qualitative Methods in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills. Offered fall only. For Anth majors only.

0101	Thurka Sangaramoorthy Th 5:00pm - 7:40pm	Seats (Total: 25) WDS 1130

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Also offered as: ANTH491. Credit only granted for: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead Th 2:00pm - 4:45pm	Seats (Total: 2) TYD 2108

ANTH650 **Advanced Studies in Theory and Practice of Environmental Anthropology**

ANTH650 Advanced Studies in Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Also offered as: ANTH450. Credit only granted for: ANTH450 or ANTH650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH450.

0101	Michael Paolisso TuTh 11:00am - 12:15pm	Seats (Total: 5) WDS 1127

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688F **Current Developments in Anthropology; Environmental Archaeology**

ANTH688F Current Developments in Anthropology: Environmental Archaeology; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	George Hambrecht TuTh 2:00pm - 3:15pm	Seats (Total: 7) ASY 3219

ANTH688O **Current Developments in Anthropology; Ethnography and Performance**

ANTH688O Current Developments in Anthropology: Ethnography and Performance; (3 credits) Grade Method: REG/AUD.
Also offered as THET614. Credit will be granted for ANTH688O or THET614.

0101	Laurie Frederik Meer Th 2:00pm - 4:45pm	Seats (Total: 10) PAC 2515C

ANTH688V **Current Developments in Anthropology; Global Health, Society, and Culture: Perspectives from Medical Anthropology**

ANTH688V Current Developments in Anthropology: Global Health, Society, and Culture: Perspectives from Medical Anthropology; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Thurka Sangaramoorthy TuTh 2:00pm - 3:15pm	Seats (Total: 7) JMZ 2122

ANTH688X **Current Developments in Anthropology; Self, Health, and Sexuality in Contemporary Africa**

ANTH688X Current Developments in Anthropology: Self, Health, and Sexuality in Contemporary Africa; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 2109

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689K **Special Problems in Anthropology; Social Organization: The Anthropology of Marriage and Kinship**

ANTH689K Special Problems in Anthropology: Social Organization: The Anthropology of Marriage and Kinship; (3 credits) Grade Method: REG/S-F.
Click here for more course information.

0101	William Stuart	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	MMH 3418

ANTH689Q **Special Problems in Anthropology; Modern World Archaeology of Cities**

ANTH689Q Special Problems in Anthropology: Modern World Archaeology of Cities; (3 credits) Grade Method: REG/S-F.
Click here for more course information.

0101	Stephen Brighton	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	WDS 1130

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH760 **Development of Social/Cultural Theory**

ANTH760 Development of Social/Cultural Theory; (3 credits) Grade Method: REG/AUD.
A broad perspective of the history of social cultural theory in anthropology and the critical skills needed for understanding the subdiscipline is provided. An overview of the history of theorizing about society and culture will help outline the past, present, and future of anthropology and its relations with other scientific and humanistic disciplines. For Anth majors only.

0101	Michael Paolisso	Seats (Total: 25)
	Tu 5:00pm - 7:40pm	WDS 0104

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH857 **Museum Scholarship Practicum**

ANTH857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: HIST811, AMST857. Credit only granted for: ANTH857, AMST857, or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Fall 2014

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Science Lab(if taken with AOSC201) or Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Prerequisite: MATH110 or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 35) CSS 2324 CSS 2428	Discussion
0102	Instructor: TBA TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 PLS 1113	Discussion
0104	Instructor: TBA TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 HBK 0105	Discussion
0201	Instructor: TBA TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 PLS 1117	Discussion
0202	Instructor: TBA TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 HBK 0105	Discussion
0203	Timothy Canty TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion
0204	Timothy Canty TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2416	Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: AOSC200. Formerly: METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. Students must pay a $50.00 laboratory materials fee.

0101	Allison Ring Tu 2:30pm - 4:20pm	Seats (Total: 24) CSS 3426	Lab
0102	Instructor: TBA W 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0103	Instructor: TBA F 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0104	Instructor: TBA M 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0105	Instructor: TBA M 2:00pm - 4:00pm	Seats (Total: 24) CSS 3426	Lab
0106	Meredith Nichols Tu 10:00am - 12:00pm	Seats (Total: 24) CSS 3426	Lab
0107	Instructor: TBA M 10:00am - 12:00pm	Seats (Total: 24) CSS 3426	Lab
0108	Meredith Nichols F 2:00pm - 4:00pm	Seats (Total: 24) CSS 3426	Lab

AOSC375 **Introduction to the Blue Ocean**

AOSC375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: GEOL375. Credit only granted for: GEOL375 or METO375. Oceans are an important component of the Earth System and this course builds towards Earth System Science education. Oceanography is an intrinsically interdisciplinary subject with strong connections to astronomy (tidal forces), biology (ecosystems), geography (world climate), geology (sea floor tectonics), and physics (waves). We begin with the history of ocean exploration and origin of Earth and life and learn about properties of seawater, air-sea interactions, atmospheric and oceanic circulation, El Nino-Southern Oscillation, waves, tides, and tsunamis.

0101	Raghu Murtugudde MW 10:00am - 11:30am	Seats (Total: 23) SPH 0307	

AOSC400 **Physical Meteorology of the Atmosphere**

AOSC400 Physical Meteorology of the Atmosphere; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of CMNS-Atmospheric & Oceanic Science department. Formerly: METO400. The application of basic classical physics, chemistry and mathematics t the study of the atmosphere. Composition of the atmosphere; energy sources and sinks (radiation in the atmosphere; radiative balance and radiative forcing of atmospheric processes); atmospheric thermodynamics; clouds and precipitation physics; atmospheric electricity and optics; mesoscale processes (e.g., orographic mesoscale phenomena and instabilities); air mass boundaries; severe weather, tropical cyclones; storms; global circulation.

0101	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 32) CSS 2416

AOSC431 **Atmospheric Thermodynamics**

AOSC431 Atmospheric Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141). Recommended: MATH246. Credit only granted for: AOSC431 or METO431. Formerly: METO431. Classical thermodynamics applied to both the dry and the moist atmosphere. Composition; phase changes of water; stability concepts; Properties of aerosols and clouds, cloud nucleation and precipitation processes, atmospheric electricity, cloud and precipitation chemistry.

0101	Ning Zeng TuTh 9:30am - 10:45am	Seats (Total: 25) CSS 2416
AM01	Ning Zeng TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC470 **Synoptic Meteorology**

AOSC470 Synoptic Meteorology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Credit only granted for: AOSC470, AOSC600, or METO600.* Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitiude and mesoscale weather systems. Tropical meteorology. Weather forecasting using numerical and statistical models. Prediction of weather phenomena on the global, syoptic, meso, and local scales. Analysis of surface and upper air data; Norwegian cyclone model; introduction to weather forecasting.

0101	Daryl Kleist	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSS 3400

AOSC493 **Senior Research Project I**

AOSC493 Senior Research Project I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Restriction: Must be in Atmospheric and Oceanic Science program. Or must not be in Atmospheric and Oceanic Science program; and permission of instructor.* Technical writing and oral presentation skills. Planning, writing, and presenting a plan for research in the geosciences.

0101	Timothy Canty	Seats (Total: 10)
	M 2:00pm - 3:00pm	Location: TBA
	F 2:00pm - 3:30pm	Location: TBA

AOSC494 **Atmospheric and Oceanic Science Seminar**

AOSC494 Atmospheric and Oceanic Science Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Derrick Lampkin	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC498 **Senior Research Project II**

AOSC498 Senior Research Project II; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC600 **Synoptic Meteorology I**

AOSC600 Synoptic Meteorology I; (3 credits) Grade Method: REG/AUD. *Prerequisite: AOSC610. Credit only granted for: AOSC470 or AOSC600. Formerly: METO600.* Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Daryl Kleist TuTh 9:30am - 10:45am	Seats (Total: 10) CSS 3400
AM01	Daryl Kleist TuTh 9:30am - 10:45am	Seats (Total: 4) CSS 3400

AOSC610 **Dynamics of the Atmosphere and Ocean I**

AOSC610 Dynamics of the Atmosphere and Ocean I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed or be concurrently enrolled in MATH462; or students who have taken courses with comparable content may contact the department. Formerly: METO610. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Sumant Nigam MF 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 30) CSS 2428 CSS 2428
AM01	Sumant Nigam MF 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 5) CSS 2428 CSS 2428

AOSC614 **Atmospheric Modeling, Data Assimilation and Predictability**

AOSC614 Atmospheric Modeling, Data Assimilation and Predictability; (3 credits) Grade Method: REG.
Prerequisite: AOSC610; or permission of instructor. Formerly: METO614. Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.

0101	Eugenia Kalnay W 10:00am - 12:30pm	Seats (Total: 20) CSS 2416
AM01	Eugenia Kalnay W 10:00am - 12:30pm	Seats (Total: 5) CSS 2416

AOSC620 **Physics and Chemistry of the Atmosphere I**

AOSC620 Physics and Chemistry of the Atmosphere I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH461; or students who have taken courses with comparable content may contact the department. Formerly: METO620. Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Russell Dickerson TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSS 2416
AM01	Russell Dickerson TuTh 2:00pm - 3:15pm	Seats (Total: 5) CSS 2416

AOSC652 **Analysis Methods in Atmospheric and Oceanic Science**

AOSC652 Analysis Methods in Atmospheric and Oceanic Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS141 and MATH241; or students who have taken courses with comparable content may contact the department. Recommended: AMSC460, CMSC660, AMSC660, or CMSC460. A variety of the analysis methods used by atmospheric and oceanic scientists will be applied to observational data sets such as Vostok ice core record, temperature trends, and satellite measurements of ozone,sea ice, etc. in a hands-on, computer laboratory setting. Students will be exposed to Fortran, IDL, and Matlab as well as modern file formats such as HDF and netCDF. No prior programming experience required.

0101	Ross Salawitch MWF 12:45pm - 1:50pm	Seats (Total: 18) CSS 3426
AM01	Ross Salawitch, Margaret Marvin MWF 12:45pm - 1:50pm	Seats (Total: 2) CSS 3426

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC658I **Special Topics in Meteorology; Ecohydrology**

AOSC658I Special Topics in Meteorology: Ecohydrology; (3 credits) Grade Method: REG/AUD.

0101	Fernando Miralles-Wilhelm M 5:15pm - 7:15pm	Seats (Total: 25) CSS 2428

AOSC658N **Special Topics in Meteorology**

AOSC658N Special Topics in Meteorology; (1-3 credits) Grade Method: REG/AUD.

0101	Sumant Nigam, Alfredo Ruiz-Barradas Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

AM01	Sumant Nigam, Alfredo Ruiz-Barradas Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)

AOSC670 **Physical Oceanography**

AOSC670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: GEOL670. Credit only granted for: GEOL670 or AOSC670. Formerly: METO670. Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton MW 4:30pm - 5:45pm	Seats (Total: 20) HJP 1213C
AM01	James Carton MW 4:30pm - 5:45pm	Seats (Total: 5) HJP 1213C

AOSC680 **Introduction to Earth System Science**

AOSC680 Introduction to Earth System Science; (3 credits) Grade Method: REG/AUD.
An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cycling of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability: land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Antonio Busalacchi W 1:00pm - 3:30pm *Course meets at the M-Square Office Building Suite 4001, room 4046.*	Seats (Total: 20) Location: TBA
AM01	Antonio Busalacchi W 1:00pm - 3:30pm *Course meets at the M-Square Office Building Suite 4001, room 4046.*	Seats (Total: 5) Location: TBA

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Derrick Lampkin Th 3:30pm - 4:30pm	Seats (Total: 20) CSS 2400
AM01	Derrick Lampkin Th 3:30pm - 4:30pm	Seats (Total: 5) CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Fall 2014

ARAB104 **Elementary Modern Standard Arabic I-II**

ARAB104 Elementary Modern Standard Arabic I-II; (6 credits) Grade Method: REG/P-F.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic. An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Valerie Anishchenkova, William Tirrell MWF 10:00am - 11:50am	Seats (Total: 16) SQH 1103
0201	Lutf Alkebsi MWF 2:00pm - 3:50pm	Seats (Total: 16) SQH 1111
0301	William Tirrell MWF 12:00pm - 1:50pm	Seats (Total: 16) JMZ 1120
0401	Zein El-Amine MWF 1:00pm - 2:50pm	Seats (Total: 16) JMZ 1122

ARAB204 **Intermediate Modern Standard Arabic I**

ARAB204 Intermediate Modern Standard Arabic I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB105; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic. Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

0101	Lutf Alkebsi MW 12:00pm - 1:50pm F 12:00pm - 1:50pm	Seats (Total: 18) SQH 1101 SQH 2120
0201	Zein El-Amine MWF 10:00am - 11:50am	Seats (Total: 18) SQH 1105

ARAB206 **Elementary Egyptian Colloquial Arabic III**

ARAB206 Elementary Egyptian Colloquial Arabic III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB107; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic. Develops listening and speaking skills in Egyptian Arabic. Covers family, school, shopping, and social interaction. Some reading in Arabic.

0101	Dina El-Hefnawy TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3120	

ARAB207 **Elementary Egyptian Colloquial Arabic IV**
Contact department for information to register for this course.

ARAB304 **Advanced Modern Standard Arabic I**

ARAB304 Advanced Modern Standard Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic. Formerly: ARAB301. Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture.

0101	Dina El-Hefnawy TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2117 SQH 1101	 Lab
0201	Dina El-Hefnawy MW 3:00pm - 4:15pm F 3:00pm - 3:50pm	Seats (Total: 15) SQH 1123 SQH 1101	 Lab

ARAB386 **Experiential Learning**

ARAB386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department. Pre-professional experience in research, analysis and writing in a work setting. Project proposal approved by faculty and internship sponsor. Junior standing.

2150	Zein El-Amine Contact instructor or department for details. *Contact department for details.*	Seats (Total: 2)

ARAB399 **Independent Study In Arabic**

ARAB399 Independent Study In Arabic; (3 credits) Grade Method: REG/P-F/AUD.

2120	Valerie Anishchenkova Contact instructor or department for details.	Seats (Total: 10)

ARAB499I **Special Topics in Arabic Studies; The Arab World Today**

ARAB499I *(PermReq)* **Special Topics in Arabic Studies: The Arab World Today; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305. Taught in Arabic. Not open to native/fluent speakers.

0101	Zein El-Amine Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) SQH 1111 SQH 1101

ARAB499L **Special Topics in Arabic Studies; Readings in Arabic Literature**

ARAB499L *(PermReq)* **Special Topics in Arabic Studies: Readings in Arabic Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305. Taught in Arabic. Not open to native/fluent speakers.

0101	Sayed Elsisi MW 3:30pm - 4:45pm	Seats (Total: 15) JMZ 3120

ARAB499M **Special Topics in Arabic Studies; Egyptian Cinema and the Shaping of Modern Egypt**

ARAB499M *(PermReq)* **Special Topics in Arabic Studies: Egyptian Cinema and the Shaping of Modern Egypt; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305. Taught in Arabic. Not open to native/fluent speakers.

0101	Sayed Elsisi MW 2:00pm - 3:15pm	Seats (Total: 15) JMZ 2206

ARAB499X **Special Topics in Arabic Studies; Popular Egyptian Culture**

ARAB499X *(PermReq)* **Special Topics in Arabic Studies: Popular Egyptian Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Flagship students only. Designed for students in the Arabic Flagship, focuses on various aspects of popular Egyptian culture.

0101	Dina El-Hefnawy, John-Paul Crow Contact instructor or department for details.	Seats (Total: 10)	

ARAB628A **Special Topics in Arabic Studies; Arabic Audiovisual Discourses**
Contact department for information to register for this course.

ARCH Architecture Fall 2014

ARCH170 **Design Thinking and Architecture**

ARCH170 Design Thinking and Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Examines conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem-solving, and design implementation.

0101	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ARC 1101	Discussion
0102	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ARC 1103	Discussion
0103	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ASY 3217	Discussion
0104	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ARC 1111	Discussion
0105	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ARC 1127	Discussion

0106	Instructor: TBA MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) ARC 0204 ARC 1123	Discussion
0107	Ronit Eisenbach MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 19) ARC 0204 ARC 1101	Discussion
0108	Instructor: TBA MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 19) ARC 0204 ARC 1123	Discussion
0118	Ronit Eisenbach MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 19) ARC 0204 ARC 1127	Discussion
FC01	Marisa Allen TuTh 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) ARC 1105	

ARCH225 **History of World Architecture I**

ARCH225 History of World Architecture I; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Survey of architectural history from prehistory through the year 1000 CE.

0101	Robert Vann TuTh 2:00pm - 3:15pm	Seats (Total: 150) ARC 0204	

ARCH227 **History of World Architecture III**

ARCH227 *(PermReq)* **History of World Architecture III; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Survey of architectural history from 1800 to present.

0101	Cynthia Field TuTh 3:30pm - 4:45pm	Seats (Total: 120) ARC 0204	

ARCH242 **Basic Architectural Drawing**

ARCH242 *(PermReq)* **Basic Architectural Drawing; (3 credits)** Grade Method: REG.
Prerequisite: ARCH170; or permission of ARCH-Architecture Program. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 15) ARC 1105 Location: TBA	Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 15) ARC 1105 Location: TBA	Lab
0105	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 1105 Location: TBA	Lab

ARCH270 **Design in Practice**

ARCH270 Design in Practice; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Case studies and hands-on design projects ranging in scale from a product to a building to give students insight into the process by which architects work both individually and collaboratively to put disciplinary knowledge and expertise into practice to shape our built environment.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more informationon the Fearless Ideas Courses.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 90) ASY 2203

ARCH400 **Architecture Studio I**

ARCH400 *(PermReq)* **Architecture Studio I; (6 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Architecture (B.S.) program. Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0102	Brian Kelly	Seats (Total: 54)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH402 **Architecture Studio III**

ARCH402 *(PermReq)* **Architecture Studio III; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Minimum grade of C- in ARCH401. Restriction: Must be in Architecture (B.S.) program. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered fall only.

0101	Instructor: TBA	Seats (Total: 54)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH404 **Graduate Architecture Design Studio I**

ARCH404 Graduate Architecture Design Studio I; (6 credits) Grade Method: REG/AUD.
Recommended: For 3 1/2 year graduate students only. Restriction: Must be in Architecture (Master's) program. Introduction to architectural design with particular emphasis on conventions and principles of architecture , visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Michael Ambrose	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH406 **Graduate Architecture Design Studio III**

ARCH406 Graduate Architecture Design Studio III; (6 credits) Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ARCH405. Restriction: Must be in Architecture (Master's) program. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

0101	Steven Hurtt	Seats (Total: 16)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH410 **Architecture Technology I**

ARCH410 *(PermReq)* **Architecture Technology I; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH220 or MATH140; and PHYS121; and (GEOG140, GEOG123, GEOL120, AOSC123, GEOL123, or BSCI205). Corequisite: ARCH400. Restriction: Must be in Architecture (B.S.) program. First course in a four course sequence which develops the knowledge and skills of architectural technology. Addresses climate, human responses to climate, available materials, topography and impact on culture. Principles of assembly, basic structural principles and philosophies of construction. Offered fall only.

0101	Carl Bovill	Seats (Total: 80)
	TuTh 11:00am - 12:45pm	ARC 0204

ARCH412 **Architecture Technology III**

ARCH412 Architecture Technology III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ARCH411. Corequisite: ARCH402. Restriction: Must be in Architecture (B.S.) program. Third course in a four course sequence. Design of steel, timber, and reinforced concrete elements and subsystems; analysis of architectural building systems. Introduction to design for both natural and man-made hazards.

0101	Powell Draper TuTh 9:00am - 10:45am	Seats (Total: 80) ARC 0204

ARCH418M **Selected Topics in Architectural Technology; Measuring Sustainability**

ARCH418M Selected Topics in Architectural Technology: Measuring Sustainability; (3 credits) Grade Method: REG.
Studies metrics of sustainability as included in rating standards, including LEED. All students will take the LEED GA test.

0101	Ralph Bennett TuTh 5:00pm - 6:15pm	Seats (Total: 60) ARC 0204

ARCH419 **Independent Studies in Architectural Technology**

ARCH419 Independent Studies in Architectural Technology; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH422 **History of Greek Architecture**

ARCH422 History of Greek Architecture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH221; or permission of ARCH-Architecture Program.* Survey of Greek architecture from 750-100 B.C.

0101	Robert Vann TuTh 9:30am - 10:45am	Seats (Total: 30) ARC 1103

ARCH426 **Fundamentals of Architecture**

ARCH426 *(PermReq)* **Fundamentals of Architecture; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Architecture (B.S.) program; and must be in the 3.5 year M. ARCH program. Thematic introduction of a variety of skills, issues, and ways of thinking that bear directly on the design and understanding of the built world. Offered fall only.

0101	Christian Calleri Th 5:00pm - 7:30pm	Seats (Total: 15) ARC 1123	

ARCH435 **History of Contemporary Architecture**

ARCH435 History of Contemporary Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221; or permission of ARCH-Architecture Program. Architectural history from World War II to the present.

0101	Cynthia Field TuTh 11:00am - 12:15pm	Seats (Total: 43) ARC 1101	

ARCH443 **Visual Communication For Architects**

ARCH443 Visual Communication For Architects; (3 credits) Grade Method: REG.
Corequisite: ARCH400. Restriction: Must be in Architecture (Master's) program; and must be in the 3.5 year M. ARCH program. Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Hooman Koliji TuTh 9:30am - 10:45am	Seats (Total: 20) ARC 1123	

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program. Introduction to computer utilization, with emphasis on architectural applications. ARCH majors only.

0101	Instructor: TBA Tu 7:00pm - 9:30pm Th 7:00pm - 8:15pm	Seats (Total: 18) ARC 1115 ARC 1115	 Lab

ARCH600 **Comprehensive Design Studio V**

ARCH600 *(PermReq)* **Comprehensive Design Studio V; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH403; or students who have taken courses with comparable content may contact the department. Corequisite: ARCH611. Restriction: Must be in Architecture (Master's) program. Comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Peter Noonan MWF 2:00pm - 6:00pm	Seats (Total: 40) Location: TBA

ARCH611 **Advanced Architecture Technology Seminar**

ARCH611 *(PermReq)* **Advanced Architecture Technology Seminar; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH413. Corequisite: ARCH600. Restriction: Must be in Architecture (Master's) program. Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings. Offered fall only.

0101	Carl Bovill TuTh 2:00pm - 3:15pm	Seats (Total: 19) ARC 1121
0102	Powell Draper TuTh 2:00pm - 3:15pm	Seats (Total: 19) ARC 1123

ARCH629 **Independent Studies in Architectural History**

ARCH629 *(PermReq)* **Independent Studies in Architectural History; (3 credits)** Grade Method: REG/AUD.

0701	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

0901	Instructor: TBA Contact instructor or department for details.	Seats (Total: 2)

ARCH654 **Urban Development and Design Theory**

ARCH654 Urban Development and Design Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH401; or permission of ARCH-Architecture Program. Advanced investigation into the history, and practice of urban design, planning, and development.

0101	Karl Du Puy TuTh 3:30pm - 4:45pm	Seats (Total: 40) ARC 1103

ARCH674 **Seminar in Regionalism**

ARCH674 *(PermReq)* **Seminar in Regionalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600; or permission of ARCH-Architecture Program. Regional characterisitics of culture, climate, and landscape as determinants world architecture.

0101	Michele Lamprakos TuTh 9:30am - 10:45am	Seats (Total: 10) ARC 1117

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH679 **Independent Studies in Architecture; Independent Study in Architecture**

ARCH679 Independent Studies in Architecture: Independent Study in Architecture; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH700 **Advanced Urban Design Studio VII**

ARCH700 *(PermReq)* **Advanced Urban Design Studio VII; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600; or permission of ARCH-Architecture Program. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell	Seats (Total: 20)
	TuTh 2:00pm - 7:00pm	ARC 1127

ARCH770 **Professional Practice**

ARCH770 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH601; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (Master's) program. Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Andrew Pressman	Seats (Total: 30)
	M 11:00am - 1:50pm	ARC 1101

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH601. Directed research and preparation of thesis program.

0101	Steven Hurtt	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ARC 1125

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Fall 2014

AREC200 **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

AREC200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.

0101	Jorge Holzer Bilbao, Keryn Gedan MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 PLS 1111	Discussion
0102	Jorge Holzer Bilbao, Keryn Gedan MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 EGR 3106	Discussion
0103	Jorge Holzer Bilbao, Keryn Gedan MW 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 35) SHM 2102 KEB 1200	Discussion
0104	Keryn Gedan, Jorge Holzer Bilbao MW 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 35) SHM 2102 HBK 0108	Discussion

AREC241 **Environment, Economics and Policy**

AREC241 Environment, Economics and Policy; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: AREC240 or AREC241. Studies the relationship between the economy, environment and policy. Causes of modern environmental problems and policies to address them. Importance of production, consumption, externalities, property rights and public goods in environmental issues. Technological and incentive-based solutions to environmental problems.

0101	Lars Olson TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 35) TYD 1101 MMH 0108	Discussion
0102	Lars Olson TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 35) TYD 1101 MMH 0108	Discussion

AREC250 **Elements of Agricultural and Resource Economics**

AREC250 Elements of Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 100) TYD 0117

AREC306 **Farm Management and Sustainable Food Production**

AREC306 Farm Management and Sustainable Food Production; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
The organization and operation of farm businesses are explored through principles of management, financial analysis, production economics, marketing, and business planning. These farm management principles are presented in the context of a sustainable food production system.

0101	Dale Johnson MW 3:30pm - 4:45pm	Seats (Total: 40) EGR 1202

AREC345 **Global Poverty and Economic Development**

AREC345 Global Poverty and Economic Development; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
This interdisciplinary course explores social and economic development around the world. Topics include geography, democratization, political instability and conflict, health and education, agricultural development, micro-entrepreneurship, and an introduction to impact evaluation methods used to evaluate the efficacy of public policy aimed at alleviating poverty.

0101	Pamela Jakiela MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) TYD 2106 TYD 1114	Discussion
0102	Pamela Jakiela MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 40) TYD 2106 HBK 0103	Discussion

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 300) PHY 1412	

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 5)
3008	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 5)
3103	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC433 **Food and Agricultural Policy**

AREC433 Food and Agricultural Policy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department.* Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.

0101	Howard Leathers MWF 10:00am - 10:50am	Seats (Total: 38) PHY 1219

AREC453 **Natural Resources and Public Policy**

AREC453 Natural Resources and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Erik Lichtenberg	Seats (Total: 80)
	TuTh 2:00pm - 3:15pm	TYD 2106

AREC455 **Economics of Land Use**

AREC455 Economics of Land Use; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	David Newburn	Seats (Total: 80)
	TuTh 3:30pm - 4:45pm	ARM 0135

AREC489F **Special Topics in Agricultural and Resources Economics; Econometric Applications in Agricultural, Environmental and Natural Resources**

AREC489F Special Topics in Agricultural and Resources Economics: Econometric Applications in Agricultural, Environmental and Natural Resources; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON306 and ECON321. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03) An introduction to data-based thinking and empirical methods in microeconomics with a focus on development and resource economics. Includes multiple regression models, instrumental variables, panel data techniques, and causal inference. Students will learn how to read and evaluate basic empirical research independently.

0101	Lint Barrage	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	SYM 0215
	Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03).	

AREC489M **Special Topics in Agricultural and Resources Economics; Intermediate Applied Microeconomics**

AREC489M Special Topics in Agricultural and Resources Economics: Intermediate Applied Microeconomics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220, MATH140, or MATH130. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03)

0101	Lint Barrage	Seats (Total: 30)
	TuTh 9:30am - 10:45am	JMZ 2206

AREC620 **Optimization in Agricultural and Resource Economics**

AREC620 Optimization in Agricultural and Resource Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed Multivariate calculus and matrix or linear algebra. Mathematical theory of static and dynamic optimization as applied to the economics of agriculture, natural resources and the environment. Topics include necessary and sufficient conditions for constrained optimization, convexity and concavity, duality and the envelope theorem, comparative statics, fixed point theorems, optimal control theory and dynamic programming.

0101	Lars Olson	Seats (Total: 25)	
	Th 4:00pm - 6:30pm	SYM 0115	
	Tu 11:00am - 12:30pm	SYM 0115	Discussion

AREC623 **Applied Econometrics I**

AREC623 Applied Econometrics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: Differential and integral calculus and linear algebra; or permission of instructor. Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and variations of assumptions with computer applications to applied econometric problems.

0101	Anna Alberini, Richard Just	Seats (Total: 27)	
	MW 10:00am - 12:30pm	SYM 0209	
	F 10:00am - 12:00pm	SYM 0209	Discussion

AREC632 **Agricultural Policy Analysis**

AREC632 Agricultural Policy Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as: AREC832. Credit only granted for: AREC632 or AREC832. The economics of agricultural policies. Methods for analyzing costs and benefits of price supports, import restraints, and other policies for producers, consumers, and taxpayers. Farm programs of the U.S., other industrial countries and developing countries including interventions in both domestic markets and international trade are covered along with their consequences for factor owners and related commodity markets. Theories of the farm problem and possible remedies are offered.

0101	Erik Lichtenberg	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	SYM 0209	

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

AREC785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of AGNR-Agricultural & Resource Economics department; or (ECON603 and AREC623). Also offered as: ECON785. Credit only granted for: AREC785 or ECON785. The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Jorge Holzer Bilbao, Sebastien Houde	Seats (Total: 28)
	MW 1:00pm - 2:15pm	HBK 0123

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC815 **Experimental and Behavioral Economics**

AREC815 Experimental and Behavioral Economics; (3 credits) Grade Method: REG.
Prerequisite: AREC623, AREC624, ECON603, and ECON604; or equivalent. Credit only granted for: AREC815 or AREC869A. Formerly: AREC869A. An overview of the design, implementation, and analysis of experiments motivated by behavioral economics, with a particular focus on experiments in field settings. Topics covered include social preferences, risk aversion, prospect theory, present bias, overconfidence, and limited attention.

0101	Pamela Jakiela	Seats (Total: 25)
	MW 2:15pm - 3:30pm	SYM 0115

AREC832 **Advanced Agricultural Policy Analysis**

AREC832 Advanced Agricultural Policy Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as: AREC632. Credit only granted for: AREC632 or AREC832. Research problems in agricultural policy that include models and methods for explaining the consequences and causes of intervention in agricultural commodity markets. Quantitative, market level analysis of the implications of uncertainty, strategic behavior in international trade, second-best policies, the general equilibrium analysis of intervention, and the political economy of collective action in farm policy.

0101	Erik Lichtenberg	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SYM 0209

AREC846 **Development Microeconomics**

AREC846 Development Microeconomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: AREC624, ECON603, and AREC623; or equivalent. Formerly: AREC869E. Development economics with focus on issues applicable to rural development and agriculture in developing countries. Content includes both theory and empirical application of theory. Subjects covered include economics of agricultural households, credit and insurance markets, technological progress and learning and institutional economics of developing countries.

0101	Kenneth Leonard	Seats (Total: 20)
	MWF 11:00am - 11:50am	SYM 0215

AREC892 **Dissertation Prospectus Development**

AREC892 *(PermReq)* **Dissertation Prospectus Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of two years of the AREC Ph.D. program. Credit only granted for: AREC 869P or AREC 892. Formerly: AREC869P. Presentations of proposed dissertation research including literature review, model development, data identification, and written prospectus development. Required of all third-year Ph.D. students.

0101	Kenneth McConnell	Seats (Total: 35)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2014

ARHU269M **Special Topics in Study Abroad II; Sicily Against the Mafia**
Contact department for information to register for this course.

ARHU269P **Special Topics in Study Abroad II; Mystery Paintings**
Contact department for information to register for this course.

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
Contact department for information to register for this course.

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 5)
	Contact instructor or department for details.	

ARHU298L **Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures**

ARHU298L Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Examines the different types of literature (Novel, Short Story, Flash Fiction, Comics, etc.) produced by groups or individuals under diverse circumstances (cultural, historical, political, geographical, economic, philosophical, etc.). The required texts will provide the students with an opportunity to revaluate some commonly underestimated literary forms, such as flash fiction, comics orspoken word poetry and to understand the function of these manifestations in relationship to more traditional (canonical) expressions such as the novel.

FC01	Vivianne Salgado	Seats (Total: 30)
	TuTh 4:30pm - 5:45pm	TYD 1102
	Restricted to students in Freshman Connection.	

ARHU299T **Studies in Humanities Technology; Tech Apprentice Program**

ARHU299T *(PermReq)* **Studies in Humanities Technology: Tech Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as UNIV299T. Restricted to ARHU students. Prerequisite: permission of department. Click here for more course information.

0101	Deborah Mateik	Seats (Total: 10)
	F 10:00am - 12:30pm	CSS 1410

ARHU318 **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318 *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt at jmschmid@umd.edu. Course will meet in Queen Anne's Library.

0101	Johnna Schmidt	Seats (Total: 20)
	W 4:00pm - 5:30pm	QAN 1132

0201	Julie Brown W 7:00pm - 8:30pm	Seats (Total: 20) QAN 1132

ARHU319 **Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

ARHU319 *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
For Writers' House students only. For further details please contact Johnna Schmidt jmschmid@umd.edu.Course will meet in Queen Anne's Library

0101	Vivianne Salgado M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) QAN 1132
0201	Laura Lauth Th 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) QAN 1132

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 10)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 30)

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

ARHU468A *(PermReq)* **Peer Mentoring Program: Arts and Humanities' Ambassador Program; (1 credit)** Grade Method: REG.
Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	J Greene	Seats (Total: 50)
	Th 4:00pm - 5:30pm	KEY 0123

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 25)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed one semester of full-time graduate study; and permission of ARHU-College of Arts & Humanities. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Fall 2014

ARMY101 **Basic Military Science I**

ARMY101 Basic Military Science I; (1 credit) Grade Method: REG/P-F/AUD.
An exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie. Hands on experience in managerial operations and military techniques. Applied military customs and techniques through physical and mental training.

0101	Terrence McCall	Seats (Total: 30)	
	Tu 1:00pm - 1:50pm	EDU 2101	
	Th 4:00pm - 6:00pm	COL 0100	Lab
0102	Terrence McCall	Seats (Total: 30)	
	Tu 9:00am - 9:50am	COL 0113	
	Th 4:00pm - 6:00pm	COL 0100	Lab

ARMY103 **Basic Army Physical Fitness**

ARMY103 Basic Army Physical Fitness; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY101. This course allows beginners to learn the basic Army Physical Fitness program. Through a series of rigorous progressive workouts, the student advances from novice status to meet the requirements of the Army Physical Fitness Test. Course content also introduces students to Army managerial skills and basic military tactics and techniques.

0101	Curtis Burrell	Seats (Total: 80)	
	MWTh 6:30am - 7:30am	COL 3109	

ARMY201 **Army Leadership Development**

ARMY201 Army Leadership Development; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0101	Terrence McCall	Seats (Total: 30)	
	W 2:00pm - 3:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

0102	Terrence McCall	Seats (Total: 30)	
	Th 12:30pm - 2:20pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARMY301 **Advanced Military Leadership I**

ARMY301 *(PermReq)* **Advanced Military Leadership I; (3 credits)** Grade Method: REG.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher.
Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Curtis Burrell	Seats (Total: 40)	
	Tu 1:00pm - 3:45pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARMY401 **Advanced Military Leadership III**

ARMY401 *(PermReq)* **Advanced Military Leadership III; (3 credits)** Grade Method: REG.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing.
Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Curtis Burrell	Seats (Total: 30)	
	MW 1:00pm - 2:30pm	COL 0100	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARSC Air Science Fall 2014

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.
Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly: ARSC159. Additional information: This course does not carry any credit toward any degree at the University.

0101	Instructor: TBA Th 7:00am - 8:50am	Seats (Total: 200) COL 0101	 Lab

ARSC100 **The USAF Today I**

ARSC100 The USAF Today I; (1 credit) Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059. Freshman course for AFROTC cadets. Introduces students to the United States Air Force and encourages participation in Air Force Reserve Officer Training Corps. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences. An elective but required for freshmen desiring the four-year AFROTC program.

0101	Instructor: TBA Tu 9:00am - 9:50am	Seats (Total: 27) COL 2126
0102	Instructor: TBA Th 9:00am - 9:50am	Seats (Total: 102) ASY 2203

ARSC200 **The Development of Air Power I**

ARSC200 The Development of Air Power I; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: AFROTC cadets must also register for ARSC059. Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

0101	Instructor: TBA Th 10:00am - 10:50am	Seats (Total: 55) COL 0101
0103	Instructor: TBA Tu 8:00am - 8:50am	Seats (Total: 27) COL 0101

ARSC300 **Management and Leadership I**

ARSC300 *(PermReq)* **Management and Leadership I; (3 credits)** Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher. The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations. This course will satisfy credit toward a minor in military studies.

0101	Instructor: TBA Th 9:00am - 12:00pm	Seats (Total: 20) COL 2126
0201	Instructor: TBA TuTh 12:30pm - 2:00pm	Seats (Total: 20) COL 2126

ARSC400 **National Security Forces in Contemporary American Society I**

ARSC400 *(PermReq)* **National Security Forces in Contemporary American Society I; (3 credits)** Grade Method: REG.
Prerequisite: Permission of UGST-AFROTC-Air Science; or (ARSC300 or ARSC301). Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing. Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues. This course will satisfy credit towards a minor in military studies.

0101	Instructor: TBA Th 9:00am - 12:00pm	Seats (Total: 18) COL 0113
0201	Instructor: TBA TuTh 2:00pm - 3:30pm	Seats (Total: 18) COL 2126

ARTH Art History & Archaeology Fall 2014

ARTH169A **Special Topics in Study Abroad I; Roman Archaeology On-Site**
Contact department for information to register for this course.

ARTH169B **Special Topics in Study Abroad I; Arts of Modernity**
Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**
Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Instructor: TBA TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3207	Discussion
0102	Maryl Gensheimer TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3207	Discussion
0103	Maryl Gensheimer TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Instructor: TBA TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0105	Maryl Gensheimer TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Maryl Gensheimer TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

ARTH201 Art and Society in the West from the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	June Hargrove MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0102	June Hargrove MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0103	June Hargrove MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0105	June Hargrove MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
FC01	Margaret Harrington MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connenction.*	Seats (Total: 30) MMH 0108	

ARTH255 **Art and Society in the Modern American World**

ARTH255 Art and Society in the Modern American World; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Explores the origins and evolution of art in the modern American world, from the late colonial era to the present, comparing major artistic movements and their historical contexts. Considers the diversity of art across Latin America and the United States, and the ways in which artworks mediate social, ethnic, political, and national identities.

0101	Abigail McEwen MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Abigail McEwen MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0104	Abigail McEwen MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0105	Abigail McEwen MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**
Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTH290 **Art and Society in Asia**

ARTH290 Art and Society in Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

0101	Yui Suzuki MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Yui Suzuki MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Instructor: TBA MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0106	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

ARTH300 **Egyptian Art and Archaeology**
Contact department for information to register for this course.

ARTH303 **Roman Art and Archaeology**
Contact department for information to register for this course.

ARTH320 **Fourteenth and Fifteenth-Century Northern European Art**

ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits)
Grade Method: REG/P-F/AUD.
The art of northern Europe with an emphasis on painting in the Netherlands and France.

0101	Louise Martinez TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3215

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0101	Aneta Georgievska-Shine TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH335 **Seventeenth-Century Art in the Netherlands**

ARTH335 Seventeenth-Century Art in the Netherlands; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in seventeenth-century Netherlands.

0101	Arthur Wheelock M 3:00pm - 5:30pm	Seats (Total: 30) ASY 3211

ARTH351 **Art Since 1945**

ARTH351 Art Since 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201 or ARTH350. Visual art since 1945, with an emphasis on North America and Europe.

0101	Greg Metcalf TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3211

ARTH359E **Film as Art; Film as Dream**

ARTH359E Film as Art: Film as Dream; (3 credits) Grade Method: REG/P-F/AUD.
Film is consumed like dream. Some films attempt to recreate the narrative language of dream. Some films depict dream. From Surrealism to the "Dream Factory" of Hollywood, dream has provided a metaphor, a model and a critical approach to understanding film. In a roughly historical overview of oneiric approaches to film from aesthetic, psychological and philosophical theories will be applied to understanding the structures of films, and the power of successful films.While they may overlap, the different approaches will lead to different results.

0101	Greg Metcalf W 3:00pm - 6:00pm	Seats (Total: 30) HBK 0302H

ARTH360 **History of American Art to 1876**

ARTH360 History of American Art to 1876; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and decorative arts in North America from the colonial period to 1876.

0101	Renee Ater	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

ARTH369G **Special Topics in Study Abroad III; Art Gallery Management**
Contact department for information to register for this course.

ARTH369P **Special Topics in Study Abroad III; History and Workshop of Latin America Photography**
Contact department for information to register for this course.

ARTH369Q **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**
Contact department for information to register for this course.

ARTH370 **Latin American Art and Archaeology before 1500**

ARTH370 Latin American Art and Archaeology before 1500; (3 credits) Grade Method: REG/P-F/AUD.
Pre-Hispanic painting, sculpture, and architecture, with a focus on the major archaeological monuments of Mexico.

0101	Beryl Bland	Seats (Total: 30)
	W 2:00pm - 4:30pm	ASY 3215

ARTH386 **Experiential Learning**

ARTH386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTH389A **Special Topics in Art History and Archaeology; Classical Mythology in Renaissance and Baroque Art**

ARTH389A Special Topics in Art History and Archaeology: Classical Mythology in Renaissance and Baroque Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3211

ARTH389Z **Special Topics in Art History and Archaeology; Jewish Art In The 20th Century**
Contact department for information to register for this course.

ARTH484 **Modern Chinese Film and Visual Culture**

ARTH484 Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FILM426. Credit only granted for: ARTH484; ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009 or FILM426. Formerly: ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009. Modern Chinese culture, society, and history studied through examples of art, film, and visual culture.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	HBK 0302J

ARTH488A **Colloquium in Art History; Tools for Life and Afterlife: Religious Images and Objects in Northern European 1400-1550**

ARTH488A Colloquium in Art History: Tools for Life and Afterlife: Religious Images and Objects in Northern European 1400-1550; (3 credits) Grade Method: REG/P-F/AUD.

0101	Louise Martinez	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488B **Colloquium in Art History; 20th c. Japanese Art: Colonialism, War and Occupation**

ARTH488B Colloquium in Art History: 20th c. Japanese Art: Colonialism, War and Occupation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alicia Volk	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ASY 3217

ARTH488C **Colloquium in Art History; Contemporary Chinese and Chinese-American Cinema on Women**

ARTH488C Colloquium in Art History: Contemporary Chinese and Chinese-American Cinema on Women; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM429C and WMST498J. Credit granted for ARTH488C, FILM429C, or WMST498J. Through a transnational study of major filmmakers from mainland China to Hong Kong, Taiwan, and the Chinese diaspora, the course is intended to consider issues of female cinematic authorship, gender and sexuality in cinematic representation, power and knowledge, negotiations of local and global cultural politics.

0101	Jason Kuo	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	HBK 0302J

ARTH489H **Special Topics in Art History; Art in London (Honors)**
Contact department for information to register for this course.

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH658A **Studies in American Art; The Harlem Renaissance and Modernism**

ARTH658A Studies in American Art: The Harlem Renaissance and Modernism; (3 credits) Grade Method: REG/AUD.

0101	Renee Ater Tu 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH668A **Studies in Latin American Art and Archaeology; Aesthetics of Exile: Borderlands, Diaspora, Migration**

ARTH668A Studies in Latin American Art and Archaeology: Aesthetics of Exile: Borderlands, Diaspora, Migration; (3 credits) Grade Method: REG/AUD.

0101	Abigail McEwen W 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH679A **Studies in Japanese Art; Japanese Buddhist Sculpture: 7th-13th Century**

ARTH679A Studies in Japanese Art: Japanese Buddhist Sculpture: 7th-13th Century; (3 credits) Grade Method: REG/AUD.

0101	Yui Suzuki M 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH692 **Methods of Art History**

ARTH692 *(PermReq)* **Methods of Art History; (3 credits)** Grade Method: REG/AUD. Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools. For all non-Art History and Archaeology majors, permission of the department is required.

0101	Joshua Shannon Th 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH708A **Seminar in Ancient Art and Archaeology; Lost Cities on the Bay of Naples, Pompeii, Herculaneum and Stabiae**

ARTH708A Seminar in Ancient Art and Archaeology: Lost Cities on the Bay of Naples, Pompeii, Herculaneum and Stabiae; (3 credits) Grade Method: REG/AUD.

0101	Maryl Gensheimer Tu 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH749A **Seminar in Nineteenth-Century European Art; Global Hybridity in 19th-century Paris**

ARTH749A Seminar in Nineteenth-Century European Art: Global Hybridity in 19th-century Paris; (3 credits) Grade Method: REG/AUD.

0101	June Hargrove	Seats (Total: 6)
	M 12:00pm - 2:40pm	ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Fall 2014

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 laboratory studio fee.

0101	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0201	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	Matthew McLaughlin TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0401	Matthew McLaughlin TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Instructor: TBA TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0601	Instructor: TBA TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0701	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Robert Hackett MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
1001	Robert Hackett MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 Elements of Drawing I

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 laboratory studio fee.

0101	Stephen Williams MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Stephen Williams MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Matthew McLaughlin TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab
0401	Matthew McLaughlin TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2321	Lab
0501	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0701	Lillian Hoover MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2321	Lab
0801	Lillian Hoover MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab
0901	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
1001	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
FC01	Leslie Berns MW 6:00pm - 8:30pm *Restricted to students in Freshmen Connenction.*	Seats (Total: 14) ASY 2315	

ARTT110S **Elements of Drawing I**

ARTT110S Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Restricted to College Park Scholars - Arts. Students must pay a $40.00 laboratory studio fee.

0601	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3215	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3211	Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Th 2:30pm - 3:20pm	Seats (Total: 25) ASY 2309 ASY 3221	Discussion

0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion
FC01	Rex Weil TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3211	

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 laboratory studio fee.

0101	Dane Winkler TuTh 9:30am - 12:00pm	Seats (Total: 18) ASY 1311	Lab
0201	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	Lab
0301	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	Lab
0401	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT110. Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 laboratory studio fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 16) ASY 2315	Lab
0201	Instructor: TBA MW 3:00pm - 5:30pm	Seats (Total: 16) ASY 2315	Lab

0301	Lillian Hoover MW 12:30pm - 3:00pm	Seats (Total: 16) ASY 2315	Lab
0401	Jennifer Watson TuTh 3:00pm - 5:30pm	Seats (Total: 16) ASY 2315	Lab

ARTT255 **Introduction to Digital Art and Design Processes**

ARTT255 Introduction to Digital Art and Design Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354. Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100. Students must pay a $40.00 laboratory studio fee.

0101	Instructor: TBA MW 9:00am - 11:30am	Seats (Total: 24) CSS 1410	Lab
0201	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 24) CSS 1410	Lab
0301	Shannon Collis MW 1:00pm - 3:30pm	Seats (Total: 24) CSS 1410	Lab

ARTT269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrlic paint.*	Seats (Total: 20) ASY 3312	Lab
0201	Richard Klank MW 9:00am - 11:30am	Seats (Total: 13) ASY 3322	Lab
0301	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3312	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 12) ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 laboratory studio fee.

0101	Instructor: TBA	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT340H **Elements of Printmaking: Intaglio**

ARTT340H *(PermReq)* **Elements of Printmaking: Intaglio; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Student's must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341 **Elements of Printmaking: Woodcut and Relief**
Contact department for information to register for this course.

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey MW 9:00am - 11:30am	Seats (Total: 12) ASY 1317	 Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey MW 9:00am - 11:30am	Seats (Total: 2) ASY 1317	 Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 laboratory studio fee. SLR film camera required.

0101	Sora Devore MW 9:00am - 11:30am	Seats (Total: 10) MMH 0401	 Lab
0201	Sora Devore MW 12:30pm - 3:00pm	Seats (Total: 10) MMH 0401	

ARTT355 **Intermediate Graphic Design Principles**

ARTT355 *(PermReq)* **Intermediate Graphic Design Principles; (3 credits)** Grade Method: REG.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must be admitted to the Graphic Design Concentration (Track 3). Credit only granted for: ARTT350 or ARTT355. Formerly: ARTT350. Investigation of basic concepts, history, techniques, and materials used by professional graphic designers, focusing on typography. Explores various aspects of design related to typography through examination and production of many types of finished work. Students must pay $40.00 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	TuTh 9:30am - 12:00pm	ASY 2322	Lab

ARTT356 **Graphic Design Processes**

ARTT356 *(PermReq)* **Graphic Design Processes; (3 credits)** Grade Method: REG.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must have been admitted to Graphic Design Concentration (Track 3). Credit only granted for: ARTT351 or ARTT356. Formerly: ARTT351. Explores computer graphics and visual communcation principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design. Students must pay $40.00 laboratory studio fee.

0101	Mira Azarm	Seats (Total: 20)	
	MW 3:00pm - 5:30pm	ASY 2322	Lab

ARTT369P **Special Topics in Study Abroad III; Spain Seen by Photography**
Contact department for information to register for this course.

ARTT370 **Elements of Digital Media**

ARTT370 Elements of Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department. Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art. Students must pay $40.00 laboratory studio fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT409K **Study Abroad Special Topics IV; New Media**
Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques in Drawing**

ARTT418A Advanced Drawing Studio: Experimental Techniques in Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

0101	Emily Conover	Seats (Total: 16)	
	MW 3:00pm - 5:30pm	ASY 2314	Lab

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

ARTT418B Advanced Drawing Studio: A Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

0101	Leslie Berns TuTh 12:30pm - 3:00pm	Seats (Total: 16) ASY 2314	Lab
0201	Instructor: TBA MW 12:30pm - 3:00pm	Seats (Total: 16) ASY 2314	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 16) ASY 2314	Lab

ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Drawing: A Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0201	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2314	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2314	Lab

ARTT428 **Advanced Painting Studio; Painting**

ARTT428 Advanced Painting Studio: Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of the department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3318	Lab
0201	Emily Conover MW 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 18) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3322	Lab

ARTT428H **Advanced Painting Studio; Honors Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 3318	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3322	Lab

ARTT428X **Advanced Painting Studio; Advanced Painting Studio**
Contact department for information to register for this course.

ARTT438C **Advanced Sculpture Studio; Steel Sculpture**

ARTT438C Advanced Sculpture Studio: Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT331 or permission of instructor. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

0101	Jennifer Watson TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1311	

ARTT438E **Advanced Sculpture Studio; Form, Space, and Material**

ARTT438E Advanced Sculpture Studio: Form, Space, and Material; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One 300-level sculpture course or permission of the department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits if content differs. Through a series of studio assignments and readings, students investigate the physical and experiential potential of sculpture. Students will be encouraged to consider time, sound, and light as elements in their work.

0101	John Ruppert MW 3:00pm - 5:30pm	Seats (Total: 14) ASY 1314	Lab

ARTT438H **Advanced Sculpture Studio; Honors Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1311
0201	John Ruppert MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 1314
0301	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1314

ARTT438I **Advanced Sculpture Studio; Metal Casting**

ARTT438I Advanced Sculpture Studio: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of instructor. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

0101	John Ruppert	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Intaglio**

ARTT448A Advanced Printmaking Studio: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Lithography**

ARTT448B Advanced Printmaking Studio: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448E **Advanced Printmaking Studio; Screen Printing**

ARTT448E Advanced Printmaking Studio: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 12) ASY 1317	Lab

ARTT448F **Advanced Printmaking Studio; Monoprints and Mixed Media**

ARTT448F Advanced Printmaking Studio: Monoprints and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: One 300-level printmaking course or permission of the department. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Shannon Collis MW 4:00pm - 6:30pm	Seats (Total: 14) ASY 1317	

ARTT448H **Advanced Printmaking Studio; Honors Printmaking Studio**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors Printmaking Studio; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1317	Lab
0301	Margo Humphrey MW 9:00am - 11:30am	Seats (Total: 2) ASY 1317	Lab
0401	Margo Humphrey MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1317	Lab
0501	Shannon Collis MW 4:00pm - 6:30pm	Seats (Total: 2) ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Wet Darkroom Techniques**

ARTT449A Advanced Photography Studio: Black and White Photography and Wet Darkroom Techniques; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 laboratory studio fee. SLR film camera required.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0401	Lab
0201	Sora Devore	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT454 **Advanced Graphic Design Principles: Design in Society**

ARTT454 *(PermReq)* **Advanced Graphic Design Principles: Design in Society; (3 credits)** Grade Method: REG.
Prerequisite: ARTT355 and ARTT356. Focus on social responsibility and community activism. History and theory of propaganda and advocacy-based design. Students explore current design practices, work individually, and collaborate in teams with non-profits or other clients with community-based or socio-cultural agendas. Research and writing-intensive course. $40 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	TuTh 12:30pm - 3:00pm	ASY 2322	Lab

ARTT457 **Advanced Interactive Design**

ARTT457 *(PermReq)* **Advanced Interactive Design; (3 credits)** Grade Method: REG.
Prerequisite: ARTT357. Advanced concepts and technieques of interactive design and interactive software. Examination of corporate, client-based, and public service-based interactive graphic design. Emphasis on web-based interactive design structures. $40 laboratory studio fee.

0101	Malcolm Jones	Seats (Total: 20)	
	TuTh 5:00pm - 7:30pm	ASY 2322	Lab

ARTT460 **Seminar in Art Theory**
Contact department for information to register for this course.

ARTT468A **Seminar on the Interrelationship Between Art and Art Theory**

Contact department for information to register for this course.

ARTT468W **Seminar on the Interrelationship Between Art and Art Theory; History and Workshop of Latin America Photography**

Contact department for information to register for this course.

ARTT479 **Advanced Digital Media Studio**

ARTT479 Advanced Digital Media Studio; (3 credits) Grade Method: REG/P-F/AUD.

Students must pay $40.00 laboratory fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

ARTT479B Advanced Digital Media Studio: Introduction to Digital Video Production; (3 credits) Grade Method: REG.

Primary focus of this course is video production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production. Students must pay $40.00 laboratory fee.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT480H **Honors Seminar**

ARTT480H *(PermReq)* **Honors Seminar; (3 credits)** Grade Method: REG.

Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art. Students must pay $40.00 laboratory fee.

0101	Justin Strom	Seats (Total: 7)	
	F 10:00am - 1:30pm	Location: TBA	Lab

ARTT489C **Advanced Special Topics in Art; Markets and Collecting**

ARTT489C Advanced Special Topics in Art: Markets and Collecting; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rex Weil	Seats (Total: 15)
	Th 11:30am - 2:00pm	ARC 1123

ARTT489I **Advanced Special Topics in Art; Digital Imaging**
Contact department for information to register for this course.

ARTT489R **Advanced Special Topics in Art; New Media**
Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498I **Directed Studies in Studio Art; Animation, Editing, and Special Effects**
Contact department for information to register for this course.

ARTT618 **Drawing**

ARTT618 *(PermReq)* **Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting**

ARTT628 *(PermReq)* **Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture**

ARTT638 *(PermReq)* **Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT648 **Printmaking**

ARTT648 *(PermReq)* **Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT689 **Special Problems in Studio Art**

ARTT689 Special Problems in Studio Art; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing**

ARTT718 *(PermReq)* **Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting**

ARTT728 *(PermReq)* **Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 **Sculpture**

ARTT738 *(PermReq)* **Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 **Printmaking**

ARTT748 *(PermReq)* **Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. Students must pay a $60.00 laboratory studio fee.

0101	Rex Weil	Seats (Total: 20)
	Th 6:30pm - 9:30pm	TYD 0111

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Fall 2014

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.

0101	Suvi Gezari TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Suvi Gezari TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0103	Suvi Gezari TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0104	Suvi Gezari TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0105	Suvi Gezari TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0106	Suvi Gezari TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0201	Leo Deming MWF 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 32) PHY 1410 CSS 2428	 Discussion
0203	Leo Deming MWF 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 32) PHY 1410 CSS 2428	 Discussion
FC01	Alice Olmstead TuTh 7:30pm - 8:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 40) PHY 1412 CSS 2428	 Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

0101	Grace Deming TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Grace Deming TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 1:00pm - 3:00pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Instructor: TBA	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Instructor: TBA	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0109	Instructor: TBA	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 1:00pm - 1:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0110	Instructor: TBA	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 1:00pm - 3:00pm W 1:00pm - 1:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

FC01	Alice Olmstead	Seats (Total: 20)	
	TuTh 7:30pm - 8:45pm	PHY 1412	
	M 6:00pm - 8:00pm	CSS 1109	Lab
	F 11:00am - 11:50am	CSS 2428	Discussion
	Restricted to students in Freshmen Connection.		

ASTR120 **Introductory Astrophysics - Solar System**

ASTR120 Introductory Astrophysics - Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Must have completed or be concurrently enrolled in MATH115. Restriction: Must not have completed ASTR101 or ASTR100. Credit only granted for: ASTR100, ASTR101, or ASTR120. For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Derek Richardson	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2428	
	F 1:00pm - 1:50pm	CSS 2428	Discussion

ASTR220 **Collisions in Space - The Threat of Asteroid Impacts**

ASTR220 Collisions in Space - The Threat of Asteroid Impacts; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Restriction: Must not be in Astronomy program. Additional information: Course is open to Astronomy and Planetary Sciences minors. Appropriate for non-science majors. Worried? Can't sleep? Collisions in Space will evaluate the threat of asteroid impacts with the Earth using knowledge of asteroid characteristics and orbits. The merits of possible defense plans will be discussed, as well as the budgetary and political concerns associated with implementing any such plan.

0101	Melissa Hayes-Gehrke	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2400	
	M 11:00am - 11:50am	CSS 2428	Discussion

0102	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288C **Special Projects in Astronomy; Astronomy Research Techniques**

ASTR288C *(PermReq)* **Special Projects in Astronomy: Astronomy Research Techniques; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA M 3:30pm - 5:15pm	Seats (Total: 10) CSS 0201

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.
Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	Rob Olling TuTh 2:00pm - 3:15pm	Seats (Total: 60) CSS 2400

ASTR310 **Observational Astronomy**

ASTR310 Observational Astronomy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ASTR121; and (PHYS171 or PHYS161). Or permission of CMNS-Astronomy department. Restriction: Must be in Astronomy program. Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCD camera. Some nighttime observing sessions.

0101	Melissa Hayes-Gehrke	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 2428

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR330 or GEOL212. Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Timothy McConnochie	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSS 2428

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.
Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Michael Boylan-Kolchin	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Natural Sciences.
Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Sylvain Veilleux	Seats (Total: 60)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR415 **Computational Astrophysics**

ASTR415 Computational Astrophysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ASTR121; and (PHYS271 and PHYS270; or PHYS273). Or permission of CMNS-Astronomy department.* Introduction to the most important computational techniques being used in research in astrophysics. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.

0101	Massimo Ricotti	Seats (Total: 30)
	WF 2:00pm - 3:15pm	CSS 2428

ASTR421 **Galaxies**

ASTR421 Galaxies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ASTR121; and (PHYS271 and PHYS270; or PHYS273). Or permission of CMNS-Astronomy department.* Introduction to structure, kinematics, and dynamics of normal and peculiar galaxies. Quantitative descriptions of normal spiral galaxies (like our Milky Way) and elliptical galaxies will be followed by more exotic considerations such as interacting and merging galaxies, and active galactic nuclei.

0101	RIchard Mushotzky	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSS 2428

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR601 **Radiative Processes**

ASTR601 *(PermReq)* **Radiative Processes; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of CMNS-Astronomy department.* Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Michael Miller	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR610 **Astronomical Instrumentation and Techniques**

ASTR610 Astronomical Instrumentation and Techniques; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of CMNS-Astronomy department. Review of Maxwell's equations; designs of telescopes, spectrographs, modern detectors; basic concepts for radio detectors and telescopes; interferometry and data processing.

0101	Alberto Bolatto	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 0201

ASTR630 **Planetary Science**

ASTR630 Planetary Science; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of CMNS-Astronomy department. Credit only granted for: ASTR630 or ASTR688P. Formerly: ASTR688P. The science of our planetary system with an emphasis on the aspects of it, that help us understand the origin of the system and thus the relevance to other planetary systems. Topics will include planetary atmospheres, surfaces, and interiors and the small bodies of the solar system (asteroids, comets, Kuiper-belt objects). We will consider the dynamics of these bodies and the physics and chemistry of these bodies.

0101	Douglas Hamilton	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Michael Miller	Seats (Total: 20)
	M 5:00pm - 5:50pm	CSS 1255

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Fall 2014

BCHM461 **Biochemistry I**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Computer, Mathematical and Natural Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 125) EGR 1202
0102	Douglas Julin TuTh 2:00pm - 3:15pm	Seats (Total: 125) CHM 1402
0103	Douglas Julin TuTh 12:30pm - 1:45pm	Seats (Total: 125) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463. A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 9:30am - 10:45am	Seats (Total: 110) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Jason Kahn MWF 11:00am - 11:50am	Seats (Total: 125) CHM 1402	
0103	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 125) CHM 1402	
SEF1	Erik Lontok M 6:30pm - 9:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 40) MCB 1207	
SG91	Instructor: TBA MWF 9:30am - 10:20am *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 50) BLD3 4212	

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA Th 12:30pm - 5:30pm Tu 12:30pm - 1:20pm	Seats (Total: 18) CHM 1119 CHM 1224	 Lab Discussion

0102	Instructor: TBA	Seats (Total: 18)	
	W 1:00pm - 6:00pm	CHM 1119	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie	Seats (Total: 80)
	TuTh 8:00am - 9:15am	CHM 1402

BCHM661 **Nucleic Acids I**

BCHM661 Nucleic Acids I; (2 credits) Grade Method: REG/AUD.
Prerequisite: BSCI410 and BCHM465. Topics covered: Chemistry and structure of DNA and RNA, from nucleotides to chromatin, chromosomes, and genomes, and some methods for studying, synthesizing, sequencing and manipulating nucleic acids. Rudimentary genomics and bioinformatics. DNA Biology: selected aspects of the biochemistry and regulation of DNA replication, repair, and recombination, and how these processes interact with each other.

0101	Paul Paukstelis	Seats (Total: 30)
	Meets September 2, 2014 - October 18, 2014	
	TuTh 1:30pm - 3:30pm	BSB 2118

BCHM662 **Nucleic Acids II**

BCHM662 Nucleic Acids II; (2 credits) Grade Method: REG/AUD.
Prerequisite: BCHM661. Topics covered: Interactions between nucleic acids and ligands such as cations, drugs, and especially proteins. Sources of binding affinity and specificity. Selection-amplification methods. Description of several classes of protein-nucleic acids complexes. DNA/RNA catalysis, the origin of life, mobile genetic elements.

0101	Jason Kahn	Seats (Total: 30)
	Meets October 19, 2014 - December 14, 2014	
	TuTh 1:30pm - 3:30pm	BSB 2118

BCHM669E **Special Topics in Biochemistry; Biomolecular NMR: Theory and Applications**

BCHM669E Special Topics in Biochemistry: Biomolecular NMR: Theory and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: Physical Chemistry (BCHM485 or CHEM482) or students who have taken courses with comparable content may contact the instructor. Topics covered: Fundamentals of nuclear magnetic resonance, including quantum-mechanical treatment, vector models, and product operator formalism. Pulse sequence design and implementation; theoretical and computer-based prediction of experimental outcomes. The course will focus on NMR applications to biological problems, including determination of the structure and dynamics of biological macromolecules and characterization of macromolecular interactions.

0101	David Fushman	Seats (Total: 20)
	MW 11:00am - 12:15pm	BSB 2118

BCHM671 **Protein Chemistry and Enzymic Catalysis**

BCHM671 Protein Chemistry and Enzymic Catalysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM461; or students who have taken courses with comparable content may contact the department. Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	Nicole LaRonde	Seats (Total: 35)
	TuTh 9:30am - 10:50am	BSB 2118

BCHM698 **Literature Seminar in Biochemistry**

BCHM698 Literature Seminar in Biochemistry; (2 credits) Grade Method: REG.

0101	Catherine Fenselau	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM698N **Literature Seminar in Biochemistry; Modern Methods in NMR and Structural Biology**

BCHM698N Literature Seminar in Biochemistry: Modern Methods in NMR and Structural Biology; (2 credits) Grade Method: REG.

0101	David Fushman	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1 credit) Grade Method: REG/AUD.

0101	Catherine Fenselau	Seats (Total: 40)
	Tu 11:00am - 11:50am	CHM 1224

BCHM889C **Seminar; Allostery in DNA Binding**

BCHM889C *(PermReq)* **Seminar: Allostery in DNA Binding; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889F **Seminar; Antimicrobial Peptides**

BCHM889F *(PermReq)* **Seminar: Antimicrobial Peptides; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889J **Seminar; Nucleic Acid Structures**

BCHM889J *(PermReq)* **Seminar: Nucleic Acid Structures; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1-3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM889P **Seminar; Structure and Reactivity of Biopolymers**

BCHM889P *(PermReq)* **Seminar: Structure and Reactivity of Biopolymers; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Fall 2014

BEES608A **Seminar in Behavior, Ecology, Evolution and Systematics; Introduction to BEES**

BEES608A Seminar in Behavior, Ecology, Evolution and Systematics: Introduction to BEES; (1 credit) Grade Method: REG/AUD.
Survey of major research areas within Behavior, Ecology, Evolution and Systematics. Lecture will be given by members of BEES faculty who specialize in the different topics. In discussion, students will consider recent research papers, discuss analyses and experimental designs, or perform exercises relevant to the topic of the week.

0101	Charles Fenster	Seats (Total: 20)
	W 6:00pm - 8:00pm	BPS 1230

BEES608K **Seminar in Behavior, Ecology, Evolution and Systematics**

BEES608K Seminar in Behavior, Ecology, Evolution and Systematics; (1-4 credits) Grade Method: REG/AUD.

0101	Scott Wing	Seats (Total: 10)
	Contact instructor or department for details.	

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Fall 2014

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department.
Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated. Students will be introduced to the functions and interactions of biological systems from a quantitative perspective. They will also be encourage d to solve problems through active inquiry, critical analysis,and creat ivity. Finally, roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Angela Jones	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	KEB 1110	
	W 5:00pm - 5:50pm	KEB 1200	Discussion

0102	Angela Jones TuTh 9:30am - 10:45am Th 5:00pm - 5:50pm	Seats (Total: 40) KEB 1110 KEB 1200	Discussion
0201	William Bentley MW 1:00pm - 2:15pm Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1402 EGR 3106	Discussion
0202	William Bentley MW 1:00pm - 2:15pm Th 5:00pm - 5:50pm	Seats (Total: 40) CHM 1402 PHY 1204	Discussion

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Engineering: Bioengineering program. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Angela Jones Tu 8:00am - 8:50am W 8:00am - 10:00am	Seats (Total: 20) KEB 1110 CHE 1145	Lab
0102	Angela Jones Tu 8:00am - 8:50am W 3:00pm - 5:00pm	Seats (Total: 20) KEB 1110 CHE 1145	Lab
0103	Angela Jones Tu 8:00am - 8:50am F 8:00am - 10:00am	Seats (Total: 20) KEB 1110 CHE 1145	Lab
0104	Angela Jones Tu 8:00am - 8:50am F 3:00pm - 5:00pm	Seats (Total: 20) KEB 1110 CHE 1145	Lab

BIOE232 **Bioengineering Thermodynamics**

BIOE232 *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261 and PHYS260; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320. A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Gregory Payne TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) KEB 1110 EGR 0135	 Discussion
0102	Gregory Payne TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) KEB 1110 EGR 0135	 Discussion

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 30) KEB 2107	
0201	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 30) KEB 2107	

BIOE331 **Biofluids**

BIOE331 *(PermReq)* **Biofluids; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and (ENES232 or BIOE232). Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENME331. Credit only granted for: BIOE331, ENCE305, or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Christopher Jewell	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	PHY 1201	
	F 1:00pm - 2:50pm	CHM 0119	Discussion
0102	Christopher Jewell	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	PHY 1201	
	F 3:00pm - 4:50pm	CHM 0119	Discussion

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 *(PermReq)* **Modeling Physiological Systems and Lab; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	John Fisher	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	KEB 1110	
	Th 5:00pm - 6:30pm	KEB 2107	Lab
	Tu 8:00am - 8:50am	KEB 1200	Discussion
	Lab will meet in either KEB2107 or KEB2111.		
0102	John Fisher	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	KEB 1110	
	Th 5:00pm - 6:30pm	KEB 2111	Lab
	Th 8:00am - 8:50am	ITV 1111	Discussion

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

BIOE399H *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE404 **Biomechanics**

BIOE404 *(PermReq)* **Biomechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, ENES220, BIOE120, ENES102, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.* Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 35) CHE 2110 PHY 1204	Discussion
0102	Adam Hsieh MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 35) CHE 2110 CHM 1228	Discussion
0103	Adam Hsieh MWF 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 35) CHE 2110 EGR 0135	Discussion

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BIOE420 **Bioimaging**

BIOE420 *(PermReq)* **Bioimaging; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	TWS 0201	

BIOE457 **Biomedical Electronics & Instrumentation**

BIOE457 *(PermReq)* **Biomedical Electronics & Instrumentation; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, and PHYS261. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Students learn fundamental concepts of electronics, assembly of electronic components into functional circuits, and integration of functional electronic devices and circuits into a system. In the lab component, students will learn to assemble and evaluate circuits and systems.

0101	Yang Tao	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	ARM 0117	
	Tu 2:00pm - 3:30pm	ANS 0505	Lab
0102	Yang Tao	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	ARM 0117	
	Th 2:00pm - 3:30pm	ANS 0505	Lab

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

BIOE485 Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 21 credits in BIOE courses. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and senior standing; and must be in Engineering: Bioengineering program. Credit only granted for: BIOE485 or ENBE485. Formerly: ENBE485. This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Yang Tao MW 2:00pm - 3:15pm	Seats (Total: 90) KEB 1110

BIOE489B **Special Topics in Bioengineering; Numerical Methods in Bioengineering**

BIOE489B Special Topics in Bioengineering: Numerical Methods in Bioengineering; (3 credits) Grade Method: REG/P-F/AUD.

0101	Benjamin Shapiro W 3:30pm - 6:00pm	Seats (Total: 40) CSS 2324

BIOE489D **Special Topics in Bioengineering; Bioinformatics and Biological Datamining**

BIOE489D Special Topics in Bioengineering: Bioinformatics and Biological Datamining; (3 credits) Grade Method: REG/P-F/AUD.

0101	Keith Herold TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 2106

BIOE489H **Special Topics in Bioengineering; Bioengineering Honors Seminar**

BIOE489H *(PermReq)* **Special Topics in Bioengineering: Bioengineering Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Ian White M 3:30pm - 4:45pm	Seats (Total: 40) KEB 1200

BIOE489L **Special Topics in Bioengineering; Metabolic Pathway Engineering**

BIOE489L Special Topics in Bioengineering: Metabolic Pathway Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BIOE689L, ENCH468M, and ENCH648M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram MW 5:00pm - 6:15pm	Seats (Total: 30) CHE 2136

BIOE601 **Biomolecular and Cellular Rate Processes**

BIOE601 Biomolecular and Cellular Rate Processes; (3 credits) Grade Method: REG/AUD.
Credit only granted for: BIOE601 or ENCH859B. Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.

0101	Rohan Fernandes TuTh 9:30am - 10:45am	Seats (Total: 30) JMP 1202
BI01	William Bentley Class time/details on ELMs *This section is restricted to ENPM students only.*	Seats (Total: 10) ONLINE

BIOE604 **Cellular and Physiological Transport Phenomena**

BIOE604 Cellular and Physiological Transport Phenomena; (3 credits) Grade Method: REG.
A study of transport processes, including momentum, energy and mass transport, relevant to biosystems at various scales from physiological to cellular systems. Transport leads to sets of partial differential equations and the course revolves around approaches to solving these equations to arrive at fundamental understanding of the physics of transport in biosystems.

0101	Jose Aranda-Espinoza TuTh 3:30pm - 4:45pm	Seats (Total: 25) CHE 2145
BI01	Keith Herold Class time/details on ELMs *This section is restricted to ENPM students only.*	Seats (Total: 30) ONLINE

BIOE605 **Laboratory Rotations I**

BIOE605 Laboratory Rotations I; (1 credit) Grade Method: REG.
Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)). Provides the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn a wide variety of laboratory and/or computational techniques, become familiar with Bioengineering program faculty, and develop insight on personal research interests and direction. Laboratory rotations are required in Fall and Spring of the first year of the Ph.D. Program. BIOE605: Laboratory Rotations I will be held in the Fall semester. BIOE606: Laboratory Rotations II will be held in the Spring semester.

0101	John Fisher W 9:00am - 9:50am	Seats (Total: 30) KEB 1200

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Benjamin Shapiro F 9:00am - 9:50am	Seats (Total: 40) KEB 1105

BIOE632 **Biophotonic Imaging and Microscopy**

BIOE632 *(PermReq)* **Biophotonic Imaging and Microscopy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS270 and BIOE420; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE432, BIOE632, or BIOE689C. Principles and instrumentation of various biomedical optical techniques, including fluorescene and Raman spectroscopy, confocal and multi-photon microscopy, optical coherence tomography, and diffuse optical tomography. Biomedical aplications will also be discussed.

BI01	Yu Chen Class time/details on ELMs *his section is restricted to ENPM students only.*	Seats (Total: 5) ONLINE

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689I **Special Topics in Bioengineering; Regulatory Law: Medical Devices**

BIOE689I Special Topics in Bioengineering: Regulatory Law: Medical Devices; (3 credits) Grade Method: REG.

0101	Keith Herold Tu 7:00pm - 9:40pm	Seats (Total: 30) CHE 2118
BI01	Keith Herold Class time/details on ELMs	Seats (Total: 10) ONLINE

BIOE689K **Special Topics in Bioengineering; Cardiovascular Bioengineering**
Contact department for information to register for this course.

BIOE689O **Special Topics in Bioengineering; Seminar on Medical Device Technology and Research**

BIOE689O Special Topics in Bioengineering: Seminar on Medical Device Technology and Research; (1 credit) Grade Method: REG.

0101	Kevin Cleary W 7:00pm - 9:00pm	Seats (Total: 15) EGR 2116

BIOE689P **Special Topics in Bioengineering; Pharmacoengineering Principles and Applications for Biotherapeutics**

BIOE689P *(PermReq)* **Special Topics in Bioengineering: Pharmacoengineering Principles and Applications for Biotherapeutics; (3 credits)** Grade Method: REG.

0101	Steven Jay MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 3114

BIOE689V **Special Topics in Bioengineering; Computer-Aided Design in Bioengineering**

BIOE689V *(PermReq)* **Special Topics in Bioengineering: Computer-Aided Design in Bioengineering; (3 credits)** Grade Method: REG.

0101	Instructor: TBA M 5:00pm - 7:40pm	Seats (Total: 20) KEB 2111

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL608B **Biology Seminar; Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Behavior Ecology; (1-2 credits)** Grade Method: REG.

0101	Gerald Borgia	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608K **Biology Seminar; Biological Sciences Teaching and Learning in Higher Education**

BIOL608K *(PermReq)* **Biology Seminar: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as CBMG699K, CHEM608K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

BIOL608N **Biology Seminar; Speciation**

BIOL608N Biology Seminar: Speciation; (2 credits) Grade Method: REG.

0101	Carlos Machado	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608R **Biology Seminar; Scientific Writing and Presentations**

BIOL608R Biology Seminar: Scientific Writing and Presentations; (1 credit) Grade Method: REG.
Also offered as CONS608G and MEES608G. Credit granted for BIOL608R, CONS608G, or MEES608G.

0101	Keryn Gedan	Seats (Total: 12)
	W 11:00am - 12:30pm	BPS 2249

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL620 **Cell Biology**

BIOL620 Cell Biology; (3 credits) Grade Method: REG/AUD.
Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.

0101	Michael Ma	Seats (Total: 12)	
	MWF 12:00pm - 12:50pm	BPS 1250	
	F 11:00am - 11:50am	PLS 1158	Discussion

BIOL622 **Membrane Transport Phenomena**

BIOL622 Membrane Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220; and (BSCI330 or BSCI230). Or permission of instructor. Credit only granted for: BIOL622 or ZOOL622. Formerly: ZOOL622. The fundamental phenomena related to solute movement in bulk solution and across interfaces. Examination of natural and artificial membrane transport systems, with emphasis placed on their mechanism of action. Click here for more course information.

0101	Marco Colombini	Seats (Total: 10)
	TuTh 4:00pm - 5:15pm	BPS 1238

BIOL671 **Molecular Evolution**

BIOL671 Molecular Evolution; (3 credits) Grade Method: REG.
Credit only granted for: BIOL671 or ZOOL645. Formerly: ZOOL645. Basic foundations through advanced concepts in molecular evolution, including patterns and processes of DNA sequence variation, transposable element dynamics, gene duplication and loss, and genome organization. Relevant concepts from genetics, biochemistry, and phylogenetics also will be covered.

0101	Michael Cummings	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	BPS 1238

BIOL701 **Teaching Biology**

BIOL701 Teaching Biology; (1 credit) Grade Method: S-F.
Credit only granted for: BIOL701 or ZOOL701. Formerly: ZOOL701. Introduction to instructional methods and strategies, University and College policies, and campus resources for new LFSC graduate teaching assistants.

0101	Reid Compton Tu 6:00pm - 8:00pm	Seats (Total: 20) BPS 1208	

BIOL704 **Cell Biology from a Biophysical Perspective**

BIOL704 Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.
Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O. An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev TuTh 3:30pm - 4:45pm	Seats (Total: 9) PLS 1113	

BIOL708B **Advanced Topics in Biology; Animal Behavior**

BIOL708B Advanced Topics in Biology: Animal Behavior; (1-4 credits) Grade Method: REG.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 2) PLS 1130 BPS 1232	Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 2) PLS 1130 BPS 1236	Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 BPS 1234	Discussion

0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 EDU 2101	 Discussion

BIOL708N **Advanced Topics in Biology; Mammalian Physiology**

BIOL708N Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Joshua Singer MWF 10:00am - 10:50am	Seats (Total: 2) BPS 1250

BIOL708Q **Advanced Topics in Biology; Biology of Chemosensory Systems**

BIOL708Q Advanced Topics in Biology: Biology of Chemosensory Systems; (3 credits) Grade Method: REG.

0101	Ricardo Araneda MW 2:00pm - 3:15pm	Seats (Total: 10) BPS 1230

BIOL708Y **Advanced Topics in Biology; Neural Systems**

BIOL708Y Advanced Topics in Biology: Neural Systems; (3 credits) Grade Method: REG.

0101	Catherine Carr TuTh 8:00am - 9:15am	Seats (Total: 10) PLS 1140

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Fall 2014

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.
Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 26) SHM 2102 ANS 0473	Discussion

0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 25) SHM 2102 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 25) SHM 2102 ANS 0473	Discussion

BIOM405 **Computer Applications in Biometrics**

BIOM405 *(PermReq)* **Computer Applications in Biometrics; (1 credit)** Grade Method: REG/P-F/AUD.
An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.

0101	Li Ma Contact instructor or department for details.	Seats (Total: 5)

BIOM601 **Biostatistics I**

BIOM601 Biostatistics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM301 or STAT464; or students who have taken courses with comparable content may contact the department. Credit only granted for: BIOM401 or BIOM601. Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Li Ma TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	Lab
0102	Li Ma TuTh 12:30pm - 1:45pm W 9:00am - 11:00am	Seats (Total: 27) ANS 0408 ANS 0473	Lab

0104	Li Ma	Seats (Total: 27)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	Th 2:00pm - 4:00pm	ANS 0473	Lab

BIOM603 **Biostatistics III**

BIOM603 Biostatistics III; (4 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed a graduate-level statistical class; or students who have taken courses with comparable content may contact the department.
Applications and implementation of linear model analysis to biological data, including multivariate regression model, mixed model, generalized linear mixed model, nonlinear logistic and Poisson regression models, power calculation and survival analysis.

0101	Jiuzhou Song	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	ANS 0402	
	Th 9:00am - 10:50am	ANS 0473	Lab

BIOM621 **Applied Multivariate Statistics**

BIOM621 Applied Multivariate Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: BIOM602. Recommended: BIOM603. Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.

0101	Bahram Momen	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	HJP 1213	

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Fall 2014

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH704 **Cell Biology from a Biophysical Perspective**

BIPH704 Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.
Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404, BIOL704. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev	Seats (Total: 9)
	TuTh 3:30pm - 4:45pm	PLS 1113

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Fall 2014

BMGT110 **Introduction to the Business Value Chain**

BMGT110 Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 250) VMH 1524
FC01	Jeff Miller TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 80) KEY 0102

BMGT110F **Introduction to the Business Value Chain**

BMGT110F Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to Smith School's Freshman Fellows (FPFF).

FP01	Richard Hutchins MW 9:30am - 10:45am	Seats (Total: 36) VMH 2203
FP02	Richard Hutchins MW 11:00am - 12:15pm	Seats (Total: 36) VMH 2203
FP03	Richard Hutchins MW 2:00pm - 3:15pm	Seats (Total: 36) VMH 2203

FP04	Hugh Turner M 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 36) VMH 1336 ONLINE	
FP05	Hugh Turner Tu 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 36) VMH 1336 ONLINE	
FP06	Humberto Coronado TuTh 9:30am - 10:45am	Seats (Total: 36) VMH 2203	
FP07	Humberto Coronado TuTh 11:00am - 12:15pm	Seats (Total: 36) VMH 2203	
FP08	Humberto Coronado TuTh 12:30pm - 1:45pm	Seats (Total: 36) VMH 2203	
FP09	Hugh Turner W 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 36) VMH 1336 ONLINE	
FP10	Hugh Turner Th 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 36) VMH 1336 ONLINE	

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as: ENES190. Credit only granted for: BMGT190 or ENES190. Exposes engineering and business students to the principles of total quality, using experiential team-learning and technology-aided approaches. The first of four courses in total quality. Restricted to Quest Program students.

0101	Pamela Armstrong TuTh 12:30pm - 1:45pm Tu 7:00pm - 8:50pm	Seats (Total: 50) VMH 1511 VMH 1335	 Discussion

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Open to all students with 24 credit hours completed.

0101	Progyan Basu MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0102	Progyan Basu MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0103	Progyan Basu MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0104	Progyan Basu MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0105	Progyan Basu MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0201	Progyan Basu MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0202	Progyan Basu MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0203	Progyan Basu MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion
0204	Progyan Basu MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1206	 Discussion

0205	Progyan Basu MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0301	Progyan Basu MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1303	Discussion
0302	Progyan Basu MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1303	Discussion
0303	Progyan Basu MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1303	Discussion
0304	Progyan Basu MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1303	Discussion
0305	Progyan Basu MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1303	Discussion
0401	Progyan Basu MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1307	Discussion
0402	Progyan Basu MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1307	Discussion
0403	Progyan Basu MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1307	Discussion
0404	Progyan Basu MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1307	Discussion

0405	Progyan Basu MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1307	 Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to Honors students with 24 credit hours completed.

0101	Stephen Brown TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1336	
0201	Stephen Brown TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336	

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG.
Prerequisite: BMGT220. Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed.

0101	Gary Bulmash TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 38) VMH 1212 VMH 1335	 Discussion
0102	Gary Bulmash TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 38) VMH 1212 VMH 1335	 Discussion
0103	Gary Bulmash TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 38) VMH 1212 VMH 1335	 Discussion

0104	Gary Bulmash TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1212 VMH 1335	Discussion
0105	Gary Bulmash TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 38) VMH 1212 VMH 1335	Discussion
0201	Gary Bulmash TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 38) VMH 1212 VMH 1336	Discussion
0202	Gary Bulmash TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 38) VMH 1212 VMH 1336	Discussion
0203	Gary Bulmash TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 38) VMH 1212 VMH 1336	Discussion
0204	Gary Bulmash TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1212 VMH 1336	Discussion
0205	Gary Bulmash TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 38) VMH 1212 VMH 1336	Discussion

BMGT230 Business Statistics

BMGT230 Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

0101	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1314	 Discussion
0102	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 17) VMH 1524 VMH 1314	 Discussion
0103	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 VMH 1314	 Discussion
0104	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 17) VMH 1524 VMH 1314	 Discussion
0105	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 17) VMH 1524 VMH 1314	 Discussion
0106	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) VMH 1524 VMH 1314	 Discussion
0107	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 VMH 1314	 Discussion

0201	Radu Lazar MW 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1411	Discussion
0202	Radu Lazar MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) VMH 1524 VMH 1411	Discussion
0203	Radu Lazar MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 VMH 1411	Discussion
0204	Radu Lazar MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) VMH 1524 VMH 1411	Discussion
0205	Radu Lazar MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 17) VMH 1524 VMH 1411	Discussion
0206	Radu Lazar MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 17) VMH 1524 VMH 1411	Discussion
0207	Radu Lazar MW 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 17) VMH 1524 VMH 1411	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 22) VMH 1524 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 22) VMH 1524 VMH 1418	Discussion

0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 22) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1524 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 22) VMH 1524 VMH 1418	Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 VMH 1418	Discussion

BMGT230B **Business Statistics**

BMGT230B Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to BMGT majors.

0102	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0104	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1314	Discussion

0105	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1411	Discussion
0206	Radu Lazar MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 VMH 1411	Discussion
0207	Radu Lazar MW 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 13) VMH 1524 VMH 1411	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 7) VMH 1524 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 8) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 8) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 5) VMH 1524 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 8) VMH 1524 VMH 1418	Discussion

BMGT230H Business Statistics

BMGT230H Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to Honors students.

0101	Kazim Ruhi	Seats (Total: 35)
	TuTh 9:30am - 10:45am	VMH 1518

BMGT289A **Social Enterprise: Changing the World through Innovation and Transformative Action**

BMGT289A Social Enterprise: Changing the World through Innovation and Transformative Action; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Amanda Antico-Majkowski	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	SQH 1119

BMGT289B **How Do Innovators Think?**

BMGT289B How Do Innovators Think?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series. Credit will be granted for only one of the following: BMBT289B or HONR289P. Evening guest speakers 6-9:30pm on various Thursdays. Daytime meetings will be held every week.

0101	Mark Wellman	Seats (Total: 45)
	M 9:00am - 10:50am	CCC 1100
	Contact instructor or department for details.	

0201	Mark Wellman M 3:30pm - 5:20pm Contact instructor or department for details. *This section is restricted to College Park Scholars in Business, Society and the Economy sudents.*	Seats (Total: 79) TWS 1100

BMGT289D **Frauds, Scams, and Thefts: What, How and Why?**

BMGT289D Frauds, Scams, and Thefts: What, How and Why?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Ariel Ramirez TuTh 3:30pm - 4:45pm	Seats (Total: 65) TYD 2106
0201	Ariel Ramirez TuTh 5:00pm - 6:15pm	Seats (Total: 65) TYD 2106

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Jonathan Aberman MW 2:00pm - 3:15pm	Seats (Total: 60) MCB 1207

BMGT289F **Is America Destined to Fall by 2076?**

BMGT289F Is America Destined to Fall by 2076?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	James Spina F 1:00pm - 3:30pm	Seats (Total: 65) VMH 1330

BMGT289I **Why Good Managers Make Bad Decisions**

BMGT289I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Why do smart managers make flawed decisions? Why do managers keep believing they have made the right choice, even with disastrous results staring them in the face? Why Good Managers Make Bad Decisions will address how evidence-based management and other decisionmaking tools can be used to uncover hidden assumptions in the corner offices of great corporations.

FC01	Jeff Miller TuTh 3:00pm - 4:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) KEY 0125

BMGT289L **The Proper Role of Government in a Free Enterprise System**

BMGT289L The Proper Role of Government in a Free Enterprise System; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Leland Gardner W 5:00pm - 7:40pm	Seats (Total: 65) SQH 1120

BMGT298F **Special Topics in Business and Management; Global Mindset Colloquium**

BMGT298F *(PermReq)* **Special Topics in Business and Management: Global Mindset Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Global Mindset program.

0101	Kristin LaRiviere, Victor Mullins F 10:00am - 10:50am	Seats (Total: 30) VMH 1412
0201	Kristin LaRiviere, Victor Mullins F 11:00am - 11:50am	Seats (Total: 30) VMH 1412

BMGT298R **Special Topics in Business and Management; Quantitative Methods for Business**
Contact department for information to register for this course.

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to BMGT majors with 53 credits completed.

0101	Zeinab Karake MW 9:30am - 10:45am	Seats (Total: 65) VMH 1524
0201	Guodong Gao MW 3:30pm - 4:45pm	Seats (Total: 65) VMH 1412
0301	Zeinab Karake TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1303
0401	Zeinab Karake TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1303
0501	Zeinab Karake MW 12:30pm - 1:45pm	Seats (Total: 65) VMH 1333
0601	Instructor: TBA MW 5:00pm - 6:15pm	Seats (Total: 65) VMH 1412
0701	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT301F **Introduction to Information Systems**

BMGT301F Introduction to Information Systems; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to second year students in the Smith School's Freshman Fellows program with 45 credits.

FP01	Guodong Gao MW 12:30pm - 1:45pm	Seats (Total: 65) VMH 1412	

BMGT302 **Designing Business Applications**

BMGT302 Designing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* A structured approach to business application development and programming is provided. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Peng Huang TuTh 11:00am - 12:15pm Th 5:00pm - 5:50pm	Seats (Total: 30) VMH 1311 VMH 1311	 Lab
0201	Peng Huang TuTh 9:30am - 10:45am Th 6:00pm - 6:50pm	Seats (Total: 30) VMH 1311 VMH 1311	 Lab

BMGT302F **Designing Business Applications**

BMGT302F Designing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* A structured approach to business application development and programming is provided. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to students in the Smith School's TBT Fellows program.

FP01	Peng Huang	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	VMH 1311	
	Th 7:00pm - 7:50pm	VMH 2203	Lab
	Th 6:00pm - 6:50pm	VMH 2203	Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Sandra Rose	Seats (Total: 35)
	MW 3:30pm - 4:45pm	VMH 1411
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0201	Stephen Brown	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1314
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0301	Mary Keim	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1202
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0401	Sandra Rose	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	VMH 1412
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0501	Sandra Rose	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	VMH 1411
	Restricted to Accounting or Finance majors with 53 credit hours completed.	

0601	Stephen Brown MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1202
SG91	Mary Keim TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4202
SG92	Mary Keim TuTh 11:00am - 12:15pm *Restricted to BMGT- Shady Grove Juniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4202

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310. Restricted to accounting majors with 60 credit hours completed.

0101	Oliver Kim TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1202
0201	Michael Finch MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
0301	Oliver Kim TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1202
0401	Sandra Rose TuTh 5:00pm - 6:15pm	Seats (Total: 35) VMH 1202

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Accounting and Finance majors with 53 credits completed.

0101	Nicholas Seybert TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1202
0201	Gary Bulmash TuTh 8:00am - 9:15am	Seats (Total: 35) VMH 1202

BMGT313F **Financial Statement Analysis**

BMGT313F Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

FP01	Michael Finch MW 9:30am - 10:45am *Restricted to Financial Services Fellows (FPFS) and Emerging CFOs (FPEC).*	Seats (Total: 35) VMH 1202
FP02	Michael Finch MW 11:00am - 12:15pm *Restricted to Financial Services Fellows (FPFS) and Emerging CFOs (FPEC).*	Seats (Total: 35) VMH 1202

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Emanuel Zur TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202
0201	Espey Browning MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1303

0301	Michael Finch MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1418
0401	Espey Browning MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1418
SG91	Espey Browning TuTh 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other st dents may request enrollment on a space available basis. UMCP undergradu ate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4216
SG92	Espey Browning TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD3 4216

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

0101	Leslie Mostow TuTh 2:00pm - 3:15pm *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1418
0201	Leslie Mostow TuTh 3:30pm - 4:45pm *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1206
0301	Samuel Handwerger TuTh 9:30am - 10:45am *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1336

0401	Jeffrey Milton TuTh 5:00pm - 6:15pm	Seats (Total: 42) VMH 1206
	Restricted to accounting majors with 53 credit hours completed.	

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT201 or BMGT301). A study of accounting systems and computer and communications technology.

0101	Jodell Johnson MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1206
	Restricted to Accounting majors with 60 credit hours completed.	
0201	Jodell Johnson MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1206
	Restricted to Accounting majors with 60 credit hours completed.	
0301	Jodell Johnson TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1303
	Restricted to Accounting majors with 60 credit hours completed.	

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1335
0201	Bruce Golden TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1202

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT231 or BMGT230). Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

BL01	Instructor: TBA MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 65) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
BL02	Instructor: TBA MW 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 65) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
BL03	Instructor: TBA MW 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 56) VMH 1412 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
BL04	Instructor: TBA MW 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 65) VMH 1412 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	

BL05	Instructor: TBA TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 65) VMH 1524 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
BL06	Instructor: TBA TuTh 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1303 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
BL07	Instructor: TBA TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 65) VMH 1412 ONLINE
	Blended Learning courses combine face-to-face and online interactions. Restricted to BMGT majors with 53 credit hours completed. Where a BMG exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
SG91	Michael Padhi TuTh 11:00am - 12:15pm	Seats (Total: 60) BLD3 3230
	Restriced to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Michael Padhi TuTh 12:30pm - 1:45pm	Seats (Total: 60) BLD3 3230
	Restricted to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurhip. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Michael Padhi TuTh 2:00pm - 3:15pm	Seats (Total: 60) BLD3 3230
	Restricted to BMGT-Shady Grove Juniors majoring in International Business and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT undergraduate students are not eligible to enroll at Shady Grove.	

BMGT340F Business Finance

BMGT340F Business Finance; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to students in the Smith School's Sophmore Wall Street Fellows Program.

FP01	Instructor: TBA MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1335

BMGT340H **Business Finance**

BMGT340H *(PermReq)* **Business Finance; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Kathleen Hanley MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

BL03	Instructor: TBA MW 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 9) VMH 1412 ONLINE

BMGT341 **Financial Markets**

BMGT341 Financial Markets; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Formerly: BMGT498G. Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets. Prerequisite: BMGT340. Restricted to Finance majors with 60 credit hours completed. Click here for more course information.

0101	Julie Pavlovsky TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	Julie Pavlovsky TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	Julie Pavlovsky TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Michael Lee MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1418
0201	Xiaohui Bakshi TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1418
0301	Xiaohui Bakshi TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1418
0401	Michael Lee MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1336
0501	Michael Padhi TuTh 8:00am - 9:15am	Seats (Total: 40) VMH 1303

BMGT349F **Private Equity and Venture Capital**

BMGT349F Private Equity and Venture Capital; (3 credits) Grade Method: REG. Restricted to students in the Private Equity and Venture Capital Fellows program.

FP01	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) Location: TBA

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0101	Roxanne Lefkoff MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0201	Roxanne Lefkoff MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0301	Roxanne Lefkoff MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0401	Instructor: TBA TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 55) VMH 1212
0501	Instructor: TBA TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1212

0601	Instructor: TBA TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1524
0701	Instructor: TBA TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1524
SG91	Henry Boyd MW 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4202
SG92	Henry Boyd MW 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4202
SG93	Henry Boyd MW 2:00pm - 3:15pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4202

BMGT350H **Marketing Principles and Organization**

BMGT350H *(PermReq)* **Marketing Principles and Organization; (3 credits)** Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Roxanne Lefkoff TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0401	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 5) VMH 1212

BMGT352 **Customer-Centric Innovation**
Contact department for information to register for this course.

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT220 and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0101	Jie Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415
0201	Jie Zhang TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415

BMGT360 **Strategic Management of Human Capital**

BMGT360 Strategic Management of Human Capital; (3 credits) Grade Method: REG.

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety.

0101	James Spina MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1330	Discussion
	Open to all students with 53 credit hours completed.		
0102	James Spina MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1330	Discussion
	Open to all students with 53 credit hours completed.		
0103	James Spina MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1330	Discussion
	Open to all students with 53 credit hours completed.		
0104	James Spina MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1330	Discussion
	Open to all students with 53 credit hours completed.		
SG91	Lori Spina TuTh 9:30am - 10:45am	Seats (Total: 45) BLD3 4212	
	Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must be in the Smith Entrepreneurship Fellows Program; and must not have completed BMGT461. Credit only granted for: BMGT261, BMGT361, or BMGT461. Formerly: BMGT261. Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program. Registration is restricted to BMGT-Shady Grove Entrepreneirship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake	Seats (Total: 40)
	Tu 2:00pm - 4:40pm	BLD3 4216
	Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT363 **Leadership and Teamwork in Organizations**

BMGT363 Leadership and Teamwork in Organizations; (3 credits) Grade Method: REG.
Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations. Restricted to Management (0503G) majors with 53 credit hours completed.

0101	Myeong-Gu Seo	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	VMH 1511
	Restricted to Management (0503G) majors with 53 credit hours completed.	

BMGT364 **Managing People and Organizations**

BMGT364 Managing People and Organizations; (3 credits) Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Instructor: TBA MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 55) VMH 1303
0201	Instructor: TBA MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0301	Michael Parke MW 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0401	Gosia Langa TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0501	Judith Gebhardt TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1212
0601	Judith Gebhardt TuTh 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0701	David Kressler Tu 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
SG91	Nicole Coomber MW 8:00am - 9:15am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 3230
SG92	Nicole Coomber MW 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 3230

SG93	Nicole Coomber MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 3230
	Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT364N **Managing People and Organizations**

BMGT364N Managing People and Organizations; (3 credits) Grade Method: REG. An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) VMH 1303

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

0101	Instructor: TBA M 5:00pm - 5:50pm	Seats (Total: 80) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0201	Instructor: TBA Tu 5:00pm - 5:50pm	Seats (Total: 80) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	

0301	Instructor: TBA W 5:00pm - 5:50pm *Restricted to BMGT students with 45 credit hours completed.*	Seats (Total: 80) VMH 1212
0401	Instructor: TBA M 6:00pm - 6:50pm *Restricted to BMGT students with 45 credit hours completed.*	Seats (Total: 80) VMH 1212
0501	Instructor: TBA Tu 6:00pm - 6:50pm *Restricted to BMGT students with 45 credit hours completed.*	Seats (Total: 80) VMH 1528
0601	Instructor: TBA M 5:00pm - 5:50pm *Restricted to BMGT students with 45 credit hours completed.*	Seats (Total: 80) VMH 1333
SG91	Instructor: TBA Tu 5:00pm - 5:50pm *Restricted to BMGT-Shady Grove Juniors majroing in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.*	Seats (Total: 85) BLD3 3241
SG92	Edward Lavino W 5:00pm - 5:50pm *Restricted to BMGT-Shady Grove Juniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 85) BLD3 3241

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT majors with 53 credit hours completed.

0101	Geoffrey Milsom TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1307
0201	Geoffrey Milsom TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1307

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits) Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. Restricted to BMGT majors with 53 credit hours completed.

0101	Hugh Turner TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1206
0201	Hugh Turner TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1206
0301	Leland Gardner MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1412
0401	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1524

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	Justin Reyna	Seats (Total: 52)
	MW 9:30am - 10:45am	VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0201	Gideon Mark	Seats (Total: 60)
	MW 11:00am - 12:15pm	VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0301	Gideon Mark	Seats (Total: 60)
	MW 12:30pm - 1:45pm	VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0401	Instructor: TBA	Seats (Total: 60)
	MW 2:00pm - 3:15pm	VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0501	William McClenahan	Seats (Total: 60)
	TuTh 9:30am - 10:45am	VMH 1520
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0601	William McClenahan	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	VMH 1520
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0701	Richard Daniels	Seats (Total: 60)
	TuTh 3:30pm - 4:45pm	VMH 1520
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
SG91	Brian Nelson	Seats (Total: 60)
	MW 9:30am - 10:45am	BLD3 4230
	Restricted to BMGT-shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Brian Nelson MW 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230
SG93	Brian Nelson MW 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4230

BMGT380F **Business Law I**

BMGT380F Business Law I; (3 credits) Grade Method: REG/P-F/AUD.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

FP01	Instructor: TBA M 7:00pm - 9:40pm *Restricted to Business Law Fellows.*	Seats (Total: 35) VMH 1415

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	Justin Reyna MW 9:30am - 10:45am	Seats (Total: 8) VMH 1330

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380; or permission of BMGT-Robert H. Smith School of Business. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit only granted for: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed and to Business Process Fellows.

0101	Kazim Ruhi TuTh 2:00pm - 3:15pm	Seats (Total: 30) VMH 1335
0201	Kazim Ruhi TuTh 11:00am - 12:15pm	Seats (Total: 30) VMH 1518

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES190 or BMGT190; and must be a QUEST student. Also offered as: ENES390. Credit only granted for: BMGT390, ENES390, or ENES498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez MW 5:00pm - 6:15pm	Seats (Total: 50) VMH 1202

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

0101	Peter Morici TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1418
0201	Peter Morici TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1418

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

BMGT398A *(PermReq)* **Individual Study in Business and Management: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Smith School of Business students. Interested students should contact Erin Fields Saddler (esaddler@rhsmith.umd.edu) for details and permission.
Click here for further informa

0101	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 25)
SG91	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 10)

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

BMGT398C *(PermReq)* **Individual Study in Business and Management: Undergraduate Teaching Scholars Training; (1 credit)** Grade Method: REG/P-F.
Restricted to Accounting Teaching Scholars (FPTS).

0101	Progyan Basu	Seats (Total: 19)
	Contact instructor or department for details.	

BMGT398D **Individual Study in Business and Management; Practicum in Design and Quality**

BMGT398D Individual Study in Business and Management: Practicum in Design and Quality; (3 credits) Grade Method: REG.
Restricted to QUEST Program students.

0101	Pamela Armstrong	Seats (Total: 12)
	Tu 6:00pm - 8:50pm	VMH 1415

BMGT398T **Individual Study in Business and Management; The External Transfer Student in Smith**

BMGT398T *(PermReq)* **Individual Study in Business and Management: The External Transfer Student in Smith; (1 credit)** Grade Method: REG.
Restricted to incoming Fall 2014 Smith School External Transfer students only.

0101	Evan Riddle	Seats (Total: 30)
	Meets September 2, 2014 - October 21, 2014	
	Tu 5:00pm - 6:30pm	VMH 1411

BMGT398W **Individual Study in Business and Management; Junior Wall Street Fellows.**

BMGT398W *(PermReq)* **Individual Study in Business and Management: Junior Wall Street Fellows.; (1 credit)** Grade Method: REG.
Restricted to students in the Smith School's Junior Wall Street Fellows programs.

FP01	Julie Pavlovsky	Seats (Total: 22)
	Tu 3:30pm - 4:45pm	VMH 1511

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Recommended: BMGT302. The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization. Restricted to BMGT majors and Business Analytics minors with 72 credit hours completed.

0101	Woei-Jyh Lee TuTh 2:00pm - 3:15pm Tu 5:00pm - 5:50pm	Seats (Total: 35) VMH 1311 VMH 1311	 Lab
0201	Instructor: TBA MW 9:30am - 10:45am Tu 6:00pm - 6:50pm	Seats (Total: 35) VMH 1311 VMH 1311	 Lab
0301	Woei-Jyh Lee TuTh 12:30pm - 1:45pm Tu 7:00pm - 7:50pm	Seats (Total: 35) VMH 1311 VMH 1311	 Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311	
0201	Hassan Ibrahim M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1311	
0301	Hassan Ibrahim MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 2203	

BMGT406 **Developing Applications for the Web and Social Media**

BMGT406 Developing Applications for the Web and Social Media; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT302. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. The design and development of Web applications and the underlying platforms and standards for Web application development will be covered. It will examine the phenomenon of social media, social networking and crowdsourcing and understand their use within organizations. Restricted to BMGT majors with 72 credit hours completed.

0101	Instructor: TBA MW 5:00pm - 6:50pm	Seats (Total: 20) VMH 1311

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing. Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1311

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Restriction: Must be in Accounting program. Analysis and discussion of issues relating to ethics and professionalism in accounting. Restricted to Accounting majors with 86 credit hours completed.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1307
0201	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1307

0301	Stephen Loeb MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206
0401	Instructor: TBA TuTh 5:00pm - 6:15pm	Seats (Total: 35) VMH 1314

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1307
0201	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 35) VMH 1415

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. Restricted to Accounting majors.

0101	James McKinney MW 11:00am - 12:15pm	Seats (Total: 43) VMH 1411
0201	James McKinney MW 12:30pm - 1:45pm	Seats (Total: 43) VMH 1411
0301	Mary Keim MW 2:00pm - 3:15pm	Seats (Total: 43) VMH 1307

SG91	James McKinney TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD3 4215
SG92	James McKinney TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD3 4215

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

0101	Samuel Handwerger TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1307

BMGT428C **Special Topics in Accounting; Research for the Professional Accountant**

BMGT428C Special Topics in Accounting: Research for the Professional Accountant; (3 credits) Grade Method: REG.
Restricted to Accounting Majors. Prerequisite: BMGT 310, Recommend: BMGT 311 and BMGT 323

BL01	James McKinney MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) VMH 1411 ONLINE

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business. Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed, or students in the Quantitative Finance Fellows Program, or students in the Business Analytics minors.

0101	Shawn Mankad	Seats (Total: 46)
	TuTh 5:00pm - 6:15pm	VMH 1335

BMGT430F **Linear Statistical Models in Business**

BMGT430F Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model.

FP01	Francis Alt	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	VMH 1520
	Restricted to students in the Business Analytics Fellows program.	

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or students who have taken courses with comparable content may contact the department. Recommended: MATH221; or MATH141. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors, QUEST students, and Business Analytics minors minors with 72 credit hours completed.

0101	Weiming Zhu	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1206

BMGT435 **Business Process Simulation**

BMGT435 Business Process Simulation; (3 credits) Grade Method: REG. *Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory. Restricted to BMGT majors or Business Analytics minors with 60 credits completed.

0101	Kazim Ruhi TuTh 3:30pm - 4:45pm	Seats (Total: 38) VMH 1335

BMGT438D **Special Topics in Operations Management; Developing Business Relationships and Scoping the Consulting Project**

BMGT438D Special Topics in Operations Management: Developing Business Relationships and Scoping the Consulting Project; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. Restricted to QUEST Program students.

0101	Kylie King Tu 10:00am - 10:50am F 10:00am - 11:40am	Seats (Total: 12) VMH 1326 VMH 1326

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 40) VMH 1335
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336
0301	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336

0401	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335
0501	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1520

BMGT441 **Fixed Income**

BMGT441 Fixed Income; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Credit only granted for: BMGT448A or BMGT441. Formerly: BMGT448A. Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business. Restricted to Finance majors with 72 credit hours completed.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 40) VMH 3505
0201	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 3505
0301	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 3505
0401	Instructor: TBA MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit only granted for: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Dilip Madan M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1307

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1335
0201	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1335

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. Restricted to Finance and International Business majors with 72 credit hours completed.

0101	Peter Dixon TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1412
0201	Xiaoyuan Hu TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1303
0301	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1412
0401	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1307

BMGT448E **Special Topics in Finance; Computational Finance**

BMGT448E Special Topics in Finance: Computational Finance; (3 credits) Grade Method: REG.
Prereqquisite: BMGT343. Finance majors with 72 credits and Junior Wall Street Fellows.

FP01	Mark Taranto TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1335

BMGT448L **Special Topics in Finance; Hedge Fund Management**

BMGT448L Special Topics in Finance: Hedge Fund Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Restricted to Finance majors with 72 credit hours completed.

0101	Kenneth Brodkowitz MW 3:30pm - 4:45pm	Seats (Total: 30) VMH 1415

BMGT449F **Investment Fund Management: Lemma Senbet Fund**

BMGT449F Investment Fund Management: Lemma Senbet Fund; (3 credits) Grade Method: REG.
Restricted to Lemma Senbet Fund Fellows (FPSF).

FP01	Sarah Kroncke TuTh 1:00pm - 3:00pm	Seats (Total: 12) VMH 3330H

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to BMGT majors with 60 credit hours completed.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1206
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1206

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.* Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. Restricted to Marketing majors with 68 credit hours completed.

0101	Marjorie Bonavia MW 9:30am - 10:45am	Seats (Total: 35) VMH 1411
0201	Marjorie Bonavia MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203
0301	Katherine Boyle MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1518

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG.
Prerequisite: BMGT350 and BMGT230. Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results.

0101	Bo Zhou MW 12:30pm - 1:45pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 35) VMH 1415
0201	Tao Chen MW 9:30am - 10:45am *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 35) VMH 1307
0301	Bo Zhou MW 11:00am - 12:15pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 35) VMH 1415
SG91	Joydeep Srivastava TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Seniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD2 3012

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

0101	Simon Bensimon TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1411

SG91	Amna Khawaja TuTh 11:00am - 12:15pm	Seats (Total: 40) BLD2 3022
	Restricted to BMGT-Shady Grove Seniors majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Amna Khawaja TuTh 12:30pm - 1:45pm	Seats (Total: 40) BLD2 3022

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to BMGT majors with 60 credit hours completed.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1418

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. Restricted to Marketing majors with 100 credit hours completed.

0101	Mary Harms TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1415
0201	Mary Harms TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1415

BMGT458A **Special Topics in Marketing; Design and Innovation in Marketing**

BMGT458A Special Topics in Marketing: Design and Innovation in Marketing; (3 credits) Grade Method: REG.

FP01	Mary Harms	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	VMH 1307
	Restricted to students in the Design and Innovation Marketing Fellows program.	

BMGT458B **Special Topics in Marketing; Design Applications in Marketing and Branding**

BMGT458B Special Topics in Marketing: Design Applications in Marketing and Branding; (3 credits) Grade Method: REG.
Restricted to Design and Innovation in Marketing Fellows (FPDM).

FP01	Howard Bomstein	Seats (Total: 35)
	M 6:30pm - 9:15pm	VMH 1333

BMGT458C **Special Topics in Marketing; Service Marketing**
Contact department for information to register for this course.

BMGT458I **Special Topics in Marketing; Organizational Communication in Italy**
Contact department for information to register for this course.

BMGT458M **Special Topics in Marketing; Marketing for Non-profit Organizations**
Contact department for information to register for this course.

BMGT458Q **Special Topics in Marketing; Computer Graphics Workshop**

BMGT458Q Special Topics in Marketing: Computer Graphics Workshop; (3 credits) Grade Method: REG.

FP01	Megan Rhee	Seats (Total: 21)
	W 5:00pm - 7:40pm	VMH 3507
	Restricted to students in the Design and Innovation Marketing Fellows program.	

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1206
	Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.	
SG91	Oliver Schlake Th 2:00pm - 4:40pm	Seats (Total: 45) BLD3 4216
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1206

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

0101	Instructor: TBA MW 2:00pm - 3:15pm *Restricted to International Business majors and Management majors with 72 credit hours completed.*	Seats (Total: 45) VMH 1418
SG91	Gosia Langa TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 4211
SG92	Gosia Langa TuTh 2:00pm - 3:15pm	Seats (Total: 40) BLD3 4211

BMGT463F **Cross-cultural Challenges in Business**

BMGT463F Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to Global Fellows students only.

0101	Patricia Cleveland Tu 5:00pm - 7:40pm	Seats (Total: 25) VMH 3330H

BMGT465 **Business Plan For The New Venture**

BMGT465 Business Plan For The New Venture; (3 credits) Grade Method: REG.
Prerequisite: BMGT461 or BMGT361. Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms. Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 3226
	Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduation BMGT students are not eligible to enroll at Shady Grove.	

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to International Business majors and Management majors with 72 credit hours completed.

0101	Jeff Miller	Seats (Total: 45)
	TuTh 9:30am - 10:45am	VMH 1307

BMGT468R **Special Topics in Management and Organization; Fearless Founders: New Venture Practicum**

BMGT468R *(PermReq)* **Special Topics in Management and Organization: Fearless Founders: New Venture Practicum; (3 credits)** Grade Method: REG/AUD.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Elana Fine	Seats (Total: 26)
	M 5:00pm - 7:30pm	VMH 1206

BMGT468T **Special Topics in Management and Organization; Creativity for Business Leaders and Entrepreneurs Outdoor Edition**

BMGT468T Special Topics in Management and Organization: Creativity for Business Leaders and Entrepreneurs Outdoor Edition; (3 credits) Grade Method: REG.
Restricted to students with 45 credit hours completed.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Oliver Schlake	Seats (Total: 35)
	M 8:00am - 10:45am	VMH 1206

BMGT468U **Special Topics in Management and Organization; Fearless Founders: Social Entrepreneurship Laboratory**

BMGT468U Special Topics in Management and Organization: Fearless Founders: Social Entrepreneurship Laboratory; (3 credits) Grade Method: REG.
Restricted to students with 45 credit hours completed.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Christine Beckman	Seats (Total: 30)
	F 1:00pm - 4:00pm	VMH 1412

BMGT468V **Special Topics in Management and Organization; Transformative Action: Effective Methods for Social Change**

BMGT468V Special Topics in Management and Organization: Transformative Action: Effective Methods for Social Change; (3 credits) Grade Method: REG.

FP01	David Kirsch	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	VMH 1412
	Restricted to students in the Social Innovation Fellows program.	

BMGT468Y **Special Topics in Management and Organization; Entrepreneurial Capitalism Around the World**

BMGT468Y Special Topics in Management and Organization: Entrepreneurial Capitalism Around the World; (3 credits) Grade Method: REG.
Restricted to students with 60 credit hours completed. Click here for more course information.

0101	David Sicilia	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1333

BMGT468Z **Special Topics in Management and Organization; Create the Future through Systems Thinking and Design**

BMGT468Z Special Topics in Management and Organization: Create the Future through Systems Thinking and Design; (3 credits) Grade Method: REG. Restricted to students with 60 credit hours completed. Not open to stud ents in the QUEST Honors program.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Jose Suarez	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1418

BMGT470 **Carrier Management**

BMGT470 Carrier Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT370. The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to Supply Chain Management majors.

0101	Leland Gardner	Seats (Total: 40)
	MW 3:30pm - 4:45pm	VMH 1336

BMGT471F **Seminar in Supply Chain Management: An Executive Perspective**

BMGT471F Seminar in Supply Chain Management: An Executive Perspective; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Formerly: BMGT488L and BMGT498L. Designed to provide students intensive interaction with senior supply chain executives from a cross-section of industries. Executives will share their insights about leading competitive supply chains in the global marketplace and assist students in understanding how to develop supply chain career strategies. Students will research the competitive supply chain dynamics of each executive's industry and review/analyze their findings with the executive. Restricted to Supply Chain Management Fellows (FPLT).

FP01	Lisa Harrington Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1528

BMGT472 **Purchasing and Inbound Logistics**

BMGT472 Purchasing and Inbound Logistics; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Supply Chain Management majors only.

0101	Philip Evers MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 1307

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to SCM and Information Systems majors.

0101	Camil Martinez TuTh 11:00am - 12:15pm	Seats (Total: 24) VMH 3522

0201	Isaac Elking TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0301	Camil Martinez TuTh 9:30am - 10:45am	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.
The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. Restricted to SCM majors and International Business majors.

0101	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1336
0201	Koki Nagata MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1336
0301	Koki Nagata MW 9:30am - 10:45am	Seats (Total: 45) VMH 1336

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media.

0101	Michael Trusov TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 3505

0201	Instructor: TBA TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 3505
SG91	Michael Trusov TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Seniors majoring in Marketing Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD1 206

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT and QUEST students with 72 credits completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG.
Restricted to Sports Management Fellows (FPSM).

FP01	Gideon Mark W 7:00pm - 9:40pm	Seats (Total: 34) VMH 1303

BMGT488F **Special Topics in Logistics, Business, and Public Policy; Corporate Social Responsibility and Sustainable Business Practices**
Contact department for information to register for this course.

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**
Contact department for information to register for this course.

BMGT488Y **Special Topics in Logistics, Business, and Public Policy; Corporate and Social Responsibility and Sustainable BusinessPractices**
Contact department for information to register for this course.

BMGT490H **Quest Consulting and Innovation Practicum**

BMGT490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: ENES390 or BMGT390. Also offered as: ENES490. Credit only granted for: BMGT490 or ENES490.* Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work. Restricted to Quest Program students.

0101	Jeffrey Herrmann, Kylie King	Seats (Total: 65)
	W 5:00pm - 7:40pm	VMH 1333
	Contact instructor or department for details.	

BMGT493H **Honors Study**

BMGT493H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG. *Restriction: Permission of BMGT-Robert H. Smith School of Business.* First semester of the senior year. The course is designed for honors students who have elected to conduct intensive study (independent or group). The student will work under the direct guidance of a faculty advisor and the Assistant Dean of Undergraduate Studies. They shall determine that the area of study is of a scope and intensity deserving of a candidate's attention. Formal written and/or oral reports on the study may be required by the faculty advisor. Restricted to BMGT Honors students.

0101	Charles Olson	Seats (Total: 35)
	Th 3:30pm - 6:10pm	VMH 1511

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: BMGT364, BMGT350, and BMGT340. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to BMGT seniors with 100 credit hours completed.

0101	Paulo Prochno TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
0201	James Spina MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314
0301	Ying Geng TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
0401	Siddharth Sharma TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0501	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0601	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG. *Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.* A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101	Brian Nelson TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 46) VMH 1511

SG91	Brian Nelson	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BLD2 2062
	Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT499G **Advanced Business Topics; Maryland Social Entrepreneur Corps Symposium**
Contact department for information to register for this course.

BMGT808O **Special Topics in Information Systems; Opportunities at Disciplinary Interfaces**

BMGT808O Special Topics in Information Systems: Opportunities at Disciplinary Interfaces; (2 credits) Grade Method: REG/AUD.

0101	Sunil Mithas	Seats (Total: 12)
	Meets September 2, 2014 - October 18, 2014	
	M 5:00pm - 8:35pm	VMH 2509

BMGT808P **Special Topics in Information Systems; Quality Transparency and the Value of Information**

BMGT808P Special Topics in Information Systems: Quality Transparency and the Value of Information; (2 credits) Grade Method: REG/AUD.

0101	Guodong Gao	Seats (Total: 12)
	Meets October 19, 2014 - December 14, 2014	
	Tu 9:00am - 12:20pm	VMH 4535

BMGT808R **Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

BMGT808R Special Topics in Information Systems: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.
Restricted to Business Ph.D. students. All others should contact the Smith School's Ph.D. Program Office to inquire about permission at: businessphd@rhsmith.umd.edu.

0101	Ritu Agarwal	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT818N **Special Topics in Accounting and Information Assurance; Workshop in Accounting Research**

BMGT818N Special Topics in Accounting and Information Assurance: Workshop in Accounting Research; (1 credit) Grade Method: REG/AUD.
Restricted to Business Ph.D. students. All others should contact the Smith School's Ph.D. Program Office to inquire about permission at: businessphd@rhsmith.umd.edu.

0101	Emanuel Zur	Seats (Total: 10)
	F 12:00pm - 12:50pm	VMH 4335

BMGT821 **Seminar in Management Accounting**

BMGT821 Seminar in Management Accounting; (3 credits) Grade Method: REG/AUD.
Design and use of accounting information systems for managerial planning and controllership.

0101	Shijun Cheng	Seats (Total: 12)
	F 9:00am - 11:40am	VMH 3330H

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT830 **Operations Research: Linear Programming**

BMGT830 Operations Research: Linear Programming; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH240; or students who have taken courses with comparable content may contact the department; or permission of BMGT-Robert H. Smith School of Business. Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.

0101	Subramanian Raghavan	Seats (Total: 25)
	MW 2:00pm - 3:15pm	VMH 1415

BMGT835 **Simulation of Discrete-Event Systems**

BMGT835 Simulation of Discrete-Event Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Knowledge of Fortran, Basic, C, or Pascal. Simulation modeling and analysis of stochastic discrete-event systems such as manufacturing systems, inventory control systems, and computer/ communications networks.

0101	Michael Fu	Seats (Total: 22)
	Th 3:30pm - 6:10pm	VMH 3330H

BMGT836 **Applied Regression Models**

BMGT836 Applied Regression Models; (3 credits) Grade Method: REG.
Recommended: It is assumed that the student has taken a first course in statistics and is familiar with the content of such course including interval estimation and hypothesis testing. An introduction to regression models used in business research. Topics include: simple and multiple regression, diagnostics for checking model adequacy, transformations, polynomial models, indicator variables, multicollinearity, variable selection, times series data, generalized linear models, implementation using statistical software, and application to research questions.

0101	Francis Alt	Seats (Total: 12)
	Tu 9:00am - 11:30am	VMH 3332

BMGT838E **Special Topics in Operations Management/Management Science; Stochastic Optimization**

BMGT838E Special Topics in Operations Management/Management Science: Stochastic Optimization; (3 credits) Grade Method: REG/AUD.

0101	Ilya Ryzhov	Seats (Total: 20)
	W 3:30pm - 6:10pm	VMH 3330H

BMGT838R **Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

BMGT838R Special Topics in Operations Management/Management Science: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Wedad Elmaghraby	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT840 **Seminar in Financial Theory**

BMGT840 Seminar in Financial Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of BMGT-Robert H. Smith School of Business.* Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Yajun Wang	Seats (Total: 12)
	W 2:00pm - 4:40pm	VMH 2509

BMGT848A **Special Topics in Finance; Financial Research Methods**

BMGT848A Special Topics in Finance: Financial Research Methods; (1 credit) Grade Method: REG/AUD.
Restricted to Business PhD students. All others should contact the Smith School's Ph.D. Program Office to inquire about permission at: businessphd@rhsmith.umd.edu.

0101	Laurent Fresard	Seats (Total: 12)
	F 8:00am - 10:00am	VMH 3332

BMGT848F **Special Topics in Finance; Workshop in Finance Research**

BMGT848F Special Topics in Finance: Workshop in Finance Research; (1 credit) Grade Method: REG/AUD.
Restricted to Business Ph.D. students. All others should contact the Smith School's Ph.D. Program Office to inquire about permission at: businessphd@rhsmith.umd.edu.

0101	Georgios Skoulakis	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT858D **Special Topics in Marketing; Behavioral Decision Research**

BMGT858D Special Topics in Marketing: Behavioral Decision Research; (3 credits) Grade Method: REG/AUD.

0101	Joydeep Srivastava	Seats (Total: 12)
	W 1:00pm - 4:00pm	VMH 4335

BMGT858R **Special Topics in Marketing; Marketing Research Seminar**

BMGT858R Special Topics in Marketing: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Liye Ma	Seats (Total: 12)
	F 10:00am - 12:30pm	VMH 1520

BMGT858W **Special Topics in Marketing; Marketing Models with MCMC**

BMGT858W Special Topics in Marketing: Marketing Models with MCMC; (3 credits) Grade Method: REG/AUD.

0101	Michel Wedel	Seats (Total: 12)
	M 12:30pm - 3:00pm	VMH 4534

BMGT868C **Special Topics in Organizational Behavior/Human Resource Management; Career and Professionalization Workshop in Management and Organization**

BMGT868C Special Topics in Organizational Behavior/Human Resource Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 30)
	Contact instructor or department for details.	

BMGT868O **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior Foundations**

BMGT868O Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior Foundations; (2 credits) Grade Method: REG/AUD.

0101	Subrahmaniam Tangirala	Seats (Total: 12)
	Meets September 2, 2014 - October 10, 2014	
	W 9:00am - 1:10pm	VMH 4534

BMGT868P **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Management Presentations**

BMGT868P Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior and Human Resource Management Presentations; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Th 11:00am - 12:30pm	VMH 4535

BMGT868R **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Research Methods Foundation**

BMGT868R Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior and Human Resource Research Methods Foundation; (2 credits) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 12)
	Meets September 2, 2014 - October 17, 2014	
	Tu 9:00am - 12:35pm	VMH 4534

BMGT868T **Special Topics in Organizational Behavior/Human Resource Management; Seminar on Teams**

BMGT868T Special Topics in Organizational Behavior/Human Resource Management: Seminar on Teams; (2 credits) Grade Method: REG/AUD.

0101	Kathryn Bartol	Seats (Total: 12)
	Meets October 27, 2014 - December 12, 2014	
	Tu 11:00am - 2:35pm	VMH 4534

BMGT878B **Special Topics in Strategic Management and Entrepreneurship; Behavioral Foundations**

BMGT878B Special Topics in Strategic Management and Entrepreneurship: Behavioral Foundations; (2 credits) Grade Method: REG/AUD.

0101	Christine Beckman **Meets September 2, 2014 - October 17, 2014** Th 1:00pm - 4:35pm	Seats (Total: 10) VMH 4534

BMGT878C **Special Topics in Strategic Management and Entrepreneurship; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT878C Special Topics in Strategic Management and Entrepreneurship: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	Yue Zhou, David Waguespack Th 10:30am - 12:00pm	Seats (Total: 12) VMH 2509

BMGT878L **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship Issues Related to Limitied Asymmetric Information**

BMGT878L Special Topics in Strategic Management and Entrepreneurship: Strategy and Entrepreneurship Issues Related to Limitied Asymmetric Information; (2 credits) Grade Method: REG/AUD.

0101	Brent Goldfarb **Meets October 20, 2014 - December 12, 2014** M 4:00pm - 7:30pm	Seats (Total: 10) VMH 1326

BMGT878P **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

BMGT878P Special Topics in Strategic Management and Entrepreneurship: Strategy and Entrepreneurship PhD Presentations; (1 credit) Grade Method: REG/AUD.

0101	Rajshree Tronetti Th 8:45am - 10:15am	Seats (Total: 12) VMH 2509

BMGT878R **Special Topics in Strategic Management and Entrepreneurship; Straegy and Entrepreneurship Research Methods Foundation**

BMGT878R Special Topics in Strategic Management and Entrepreneurship: Straegy and Entrepreneurship Research Methods Foundation; (2 credits) Grade Method: REG/AUD.

0101	David Waguespack	Seats (Total: 12)
	Meets October 20, 2014 - December 12, 2014	
	Th 1:00pm - 4:35pm	VMH 4534

BMGT888B **Special Topics in Supply Chain Management; Behavioral Research in Supply Chain Management**

BMGT888B Special Topics in Supply Chain Management: Behavioral Research in Supply Chain Management; (3 credits) Grade Method: REG.

0101	Stephanie Eckerd	Seats (Total: 10)
	Th 2:00pm - 4:40pm	VMH 3332

BMGT888W **Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

BMGT888W Special Topics in Supply Chain Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG.

0101	Curtis Grimm	Seats (Total: 12)
	F 1:00pm - 2:30pm	VMH 4534

BMGT888Y **Special Topics in Supply Chain Management; Supply Chain Research Within Strategy**

BMGT888Y Special Topics in Supply Chain Management: Supply Chain Research Within Strategy; (3 credits) Grade Method: REG.

0101	Curtis Grimm	Seats (Total: 10)
	Tu 2:00pm - 4:40pm	VMH 3332

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Fall 2014

BSCI105 **Principles of Biology I**

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated.
The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building, ENTM - Entomology, 4112 PLS Building).
Registration of BSCI course sections which begin with "SEF*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit the OES website, email oes@umd.edu, or call 301-405-7762.
The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any are available.
The College of Computer, Mathematical and Natural Sciences enforces . course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Lab start dates will be posted on the Biological Sciences Program web page.
BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. Students without the math pre-requisite will be administratively dropped. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

5012	Instructor: TBA MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5015	Instructor: TBA MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
5016	Michael Keller MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5022	Michael Keller MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5050	Michael Keller MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
5051	Instructor: TBA MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
5066	Michael Keller MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5120	Instructor: TBA MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 HJP 1226	 Lab
5124	Reid Compton MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 HJP 1226	 Lab
5125	Reid Compton MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 HJP 1235	 Lab

5130	Reid Compton MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 HJP 1226	 Lab
5136	Reid Compton MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 HJP 1235	 Lab
5144	Reid Compton MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 HJP 1226	 Lab
5156	Instructor: TBA MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 HJP 1236	 Lab
5165	Reid Compton MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 HJP 1235	 Lab
5186	Reid Compton MWF 10:00am - 10:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 HJP 1236	 Lab
5310	Instructor: TBA MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5314	Norma Allewell MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5352	Instructor: TBA MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5355	Instructor: TBA MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab

5360	Instructor: TBA MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5364	Norma Allewell MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5370	Norma Allewell MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5371	Norma Allewell MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
FC01	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
FC02	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
FC03	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
FC04	Instructor: TBA MW 4:30pm - 5:45pm W 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
FC05	Instructor: TBA MW 4:30pm - 5:45pm M 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1226	 Lab

FC06	Instructor: TBA MW 4:30pm - 5:45pm M 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1235	Lab
SEF1	James Sniezek Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 24) PLS 1130 HJP 1226	Lab

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). BSCI105M is intended for students repeating BSCI105 and who have an 80% or higher grade in the BSCI105 lab in their previous attempt. In BSCI105M students retake the lecture portion of the course only. The lab grade from the previous attempt is used in calculation of the BSCI105M grade. The previous attempt must be within 12 months of registration for BSCI105M.

5090	Michael Keller MWF 9:00am - 9:50am	Seats (Total: 5) MMH 1400
5190	Reid Compton MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101
5393	Norma Allewell MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226

BSCI105U **Principles of Biology I**
Contact department for information to register for this course.

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.* Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. Students without the math pre-requisite will be administratively dropped. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6125	Jeffrey Firestone MWF 11:00am - 11:50am M 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6132	Jeffrey Firestone MWF 11:00am - 11:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6145	Jeffrey Firestone MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6162	Jeffrey Firestone MWF 11:00am - 11:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6181	Instructor: TBA MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6214	Alexandra Bely TuTh 2:00pm - 3:15pm M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6236	Alexandra Bely TuTh 2:00pm - 3:15pm Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab
6254	Alexandra Bely TuTh 2:00pm - 3:15pm W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab

6264	Alexandra Bely TuTh 2:00pm - 3:15pm W 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6271	Alexandra Bely TuTh 2:00pm - 3:15pm Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6284	Instructor: TBA TuTh 2:00pm - 3:15pm Th 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6315	Sara Via MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6375	Sara Via MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6424	Marcia Shofner MWF 9:00am - 9:50am M 5:00pm - 7:50pm	Seats (Total: 23) BPS 1243 HJP 3211	 Lab
6434	Marcia Shofner MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BPS 1243 HJP 3211	 Lab
6455	Marcia Shofner MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 23) BPS 1243 HJP 3217	 Lab

BSCI106C Principles of Biology II

BSCI106C Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. Students without the math pre-requisite will be administratively dropped. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6165	Jeffrey Firestone MWF 11:00am - 11:50am W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6182	Jeffrey Firestone MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6251	Alexandra Bely TuTh 2:00pm - 3:15pm W 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6274	Alexandra Bely TuTh 2:00pm - 3:15pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6341	Sara Via MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6344	Sara Via MWF 9:00am - 9:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6361	Sara Via MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6363	Sara Via MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3223	Lab

BSCI106H **Principles of Biology II**

BSCI106H Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. Students without the math pre-requisite will be administratively dropped. Students must pay a $40.00 laboratory materials fee.

6211	Alexandra Bely TuTh 2:00pm - 3:15pm M 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6321	Sara Via MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). BSCI 106 must be taken within twelve months of the semester in which BSCI 106M is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6160	Jeffrey Firestone MWF 11:00am - 11:50am	Seats (Total: 5) BRB 1101	
6260	Alexandra Bely TuTh 2:00pm - 3:15pm	Seats (Total: 5) HJP 0226	
6360	Sara Via MWF 9:00am - 9:50am	Seats (Total: 5) HJP 0226	

BSCI106S **Principles of Biology II**

BSCI106S Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. Students without the math pre-requisite will be administratively dropped. (Sponsoring Dept.: BSCI). Restricted to College Park Scholars - Life Sciences. Students must pay a $40.00 laboratory materials fee.

6122	Jeffrey Firestone MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6142	Instructor: TBA MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6485	Marcia Shofner MWF 9:00am - 9:50am Th 5:00pm - 7:50pm	Seats (Total: 23) BPS 1243 HJP 3217	 Lab

BSCI126 **Pollinators in Crisis**

BSCI126 Pollinators in Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
We will dissect the pollinator crisis, and in the process learn about insects, about the interaction of organisms in complex ecosystems, and about the human-nature interface. Students will work in groups that specialize in an aspect of pollinator biology and their challenges. Instruction will target methods for collecting information, interpretation of scientific information and the professional presentation of findings.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	David Hawthorne TuTh 6:00pm - 7:15pm Tu 9:30am - 10:20am	Seats (Total: 20) CHM 1402 PLS 1161	 Discussion
0102	David Hawthorne TuTh 6:00pm - 7:15pm Tu 11:00am - 11:50am	Seats (Total: 20) CHM 1402 PLS 1161	 Discussion
0103	David Hawthorne TuTh 6:00pm - 7:15pm Th 9:30am - 10:20am	Seats (Total: 20) CHM 1402 PLS 1161	 Discussion
0104	David Hawthorne TuTh 6:00pm - 7:15pm Th 11:00am - 11:50am	Seats (Total: 20) CHM 1402 PLS 1161	 Discussion

BSCI135 **Amazing Green: Plants that Transformed the World**

BSCI135 Amazing Green: Plants that Transformed the World; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use. Students must pay a $40.00 laboratory materials fee.

0101	Edgar Moctezuma TuTh 9:30am - 10:45am M 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0102	Edgar Moctezuma TuTh 9:30am - 10:45am Tu 12:00pm - 2:00pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0103	Edgar Moctezuma TuTh 9:30am - 10:45am W 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0104	Edgar Moctezuma TuTh 9:30am - 10:45am Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab

BSCI189I **Beyond Race: Human Biological Diversity**

BSCI189I Beyond Race: Human Biological Diversity; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Students must pay a $40.00 laboratory materials fee.

1003	Joelle Presson MWF 11:00am - 11:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BPS 1250 HJP 3239	 Lab
1005	Joelle Presson MWF 11:00am - 11:50am Tu 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 HJP 3239	 Lab
1007	Joelle Presson MWF 11:00am - 11:50am Tu 4:00pm - 6:50pm	Seats (Total: 24) BPS 1250 HJP 3239	 Lab
1009	Joelle Presson MWF 11:00am - 11:50am W 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 HJP 3239	 Lab
1011	Joelle Presson MWF 11:00am - 11:50am W 4:00pm - 6:50pm	Seats (Total: 24) BPS 1250 HJP 3239	 Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: BSCI105; or students who have taken courses with comparable content may contact the department. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab

0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0117	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0119	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab

BSCI202 **Human Anatomy and Physiology II**

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201; or permission of CMNS-Biology department. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab

0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
1101	Sara Lombardi TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) HJP 0226 BPS 0201	 Lab
1102	Sara Lombardi TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 BPS 0201	 Lab
1103	Sara Lombardi TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) HJP 0226 BPS 0201	 Lab
1104	Sara Lombardi TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) HJP 0226 BPS 0201	 Lab

1105	Sara Lombardi TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) HJP 0226 BPS 0201	 Lab
SEF1	Tammatha O'Brien Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 24) PLS 1119 BPS 0201	 Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 and BSCI105; and must have completed or be concurrently enrolled in CHEM131 or CHEM103. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Leo Shapiro, Karen Carleton, Eric Haag MWF 2:00pm - 2:50pm	Seats (Total: 215) HJP 0226	
0201	Leo Shapiro, Karen Carleton, Eric Haag MWF 11:00am - 11:50am	Seats (Total: 215) PHY 1412	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

2121	Patricia Shields MWF 1:00pm - 1:50pm M 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
2122	Patricia Shields MWF 1:00pm - 1:50pm M 5:00pm - 6:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion

2124	Patricia Shields MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
2125	Patricia Shields MWF 1:00pm - 1:50pm Tu 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
2130	Patricia Shields MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
2132	Patricia Shields MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
2137	Patricia Shields MWF 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
2211	Thomas Kocher TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 23) HJP 0226 PLS 1162	Discussion
2215	Thomas Kocher TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 24) HJP 0226 HJP 3233	Discussion
2221	Thomas Kocher TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 24) HJP 0226 PLS 1184	Discussion
2231	Thomas Kocher TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 24) HJP 0226 PLS 1184	Discussion
2251	Thomas Kocher TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 23) HJP 0226 PLS 1158	Discussion

2261	Thomas Kocher TuTh 11:00am - 12:15pm W 7:00pm - 8:50pm	Seats (Total: 24) HJP 0226 PLS 1184	 Discussion
2264	Thomas Kocher TuTh 11:00am - 12:15pm Th 8:00am - 9:50am	Seats (Total: 24) HJP 0226 HBK 0105	 Discussion
2265	Thomas Kocher TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm	Seats (Total: 24) HJP 0226 PLS 1119	 Discussion
2267	Thomas Kocher TuTh 11:00am - 12:15pm Th 4:00pm - 5:50pm	Seats (Total: 23) HJP 0226 PLS 1172	 Discussion
2271	Thomas Kocher TuTh 11:00am - 12:15pm Th 6:00pm - 7:50pm	Seats (Total: 24) HJP 0226 PLS 1180	 Discussion
SEF1	Keith Lampel Tu 6:00pm - 8:50pm Th 6:00pm - 7:50pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 23) MCB 1207 HJP 3233	 Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
Prerequisite: BSCI105. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee.

1101	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	 Lab

1106	Instructor: TBA TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1121	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1126	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1206	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1221	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1301	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1305	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1306	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1321	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab

1325	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1326	Instructor: TBA TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
2105	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2205	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2226	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success; (1 credit)** Grade Method: REG/P-F/AUD.

SG91	Mary Gallagher, Beth Parent, Annie Foster Ahmed M 12:30pm - 1:25pm *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 40) BLD2 3062	

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Fellows Professional Development Seminar; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Francisca Saavedra Tu 5:00pm - 5:50pm	Seats (Total: 34) PLS 1130

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Elizabeth Quinlan, Patrick Kanold, Daniel Butts, Ricardo Araneda Contact instructor or department for details.	Seats (Total: 13)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

BSCI283 Principles of Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts.

1225	Richard Stewart TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) EGR 0135 MCB 1205	 Lab
2125	Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) EGR 0135 MCB 1205	 Lab

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI288H **Internship**

BSCI288H *(PermReq)* **Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson Contact instructor or department for details.	Seats (Total: 10)

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman Contact instructor or department for details.	Seats (Total: 10)		
1046	Jens Herberholz Contact instructor or department for details.	Seats (Total: 10)		
1060	Marco Colombini Contact instructor or department for details.	Seats (Total: 4)		

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Ibrahim Ades MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0102	Instructor: TBA MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0103	Ibrahim Ades MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0104	Ibrahim Ades MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab

0105	Instructor: TBA MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0107	Instructor: TBA MWF 9:00am - 9:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0108	Instructor: TBA MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0109	Ibrahim Ades MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0111	Instructor: TBA MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0112	Ibrahim Ades MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0114	Ibrahim Ades MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
1101	Antony Jose, Kenneth Frauwirth TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1102	Kenneth Frauwirth, Antony Jose TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1103	Antony Jose, Kenneth Frauwirth TuTh 12:30pm - 1:45pm Tu 8:30am - 11:20am	Seats (Total: 24) BRB 1101 BPS 0213	Lab

1104	Antony Jose, Kenneth Frauwirth TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1105	Kenneth Frauwirth, Antony Jose TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1106	Antony Jose, Kenneth Frauwirth TuTh 12:30pm - 1:45pm W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1108	Antony Jose, Kenneth Frauwirth TuTh 12:30pm - 1:45pm W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
SEF1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 24) PLS 1140 BPS 0207	 Lab
SG91	Beth Parent TuTh 11:00am - 12:15pm Tu 2:00pm - 4:50pm *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 24) BLD2 3032 BLD2 4012	 Lab
SG92	Beth Parent TuTh 11:00am - 12:15pm Th 2:00pm - 4:50pm *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 24) BLD2 3032 BLD2 4012	 Lab

BSCI330H Cell Biology and Physiology

BSCI330H *(PermReq)* **Cell Biology and Physiology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230. Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV and GENB. Restricted to students in the Integrated Life Science Honors program and permission of the instructor. Students must pay a $40.00 laboratory materials fee.

BL01	Kathryn Monzo, Celine Cluzeau, Prasanna Krishnan, Megan Sampley, Byrn Quimby, Sarine Markossian	Seats (Total: 24)	
	TuTh 9:30am - 10:45am Class time/details on ELMs Tu 2:00pm - 4:50pm	LPA 0100 ONLINE BPS 0207	Lab
	Blended Learning sections combine face-to-face and online interactions.		
BL02	Prasanna Krishnan, Megan Sampley, Byrn Quimby, Celine Cluzeau, Kathryn Monzo, Sarine Markossian	Seats (Total: 24)	
	TuTh 9:30am - 10:45am Class time/details on ELMs W 2:00pm - 4:50pm	LPA 0100 ONLINE BPS 0207	Lab
	Blended Learning sections combine face-to-face and online interactions.		

BSCI338B **Special Topics in Biology; Marine Biology**

BSCI338B Special Topics in Biology: Marine Biology; (3 credits) Grade Method: REG/P-F/AUD.
Specialization Areas: GENB and ECEV.

0101	Marjorie Reaka	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BPS 1238

BSCI338D **Special Topics in Biology; Complexity of Cancer**
Contact department for information to register for this course.

BSCI338G **Special Topics in Biology; Seminar on Deregulated Cell Growth in Cancer and Drug Development**

BSCI338G Special Topics in Biology: Seminar on Deregulated Cell Growth in Cancer and Drug Development; (2 credits) Grade Method: REG/P-F/AUD. Sponsoring department (BSCI). Acceptable towards Biological Sciences areas: PHNB and GENB. Pre-requisite: BSCI 330.

0101	Ibrahim Ades	Seats (Total: 20)
	M 1:00pm - 2:40pm	PLS 1119

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**
Contact department for information to register for this course.

BSCI338J **Special Topics in Biology; Medical Exploration of HIV/AIDS**
Contact department for information to register for this course.

BSCI338L **Special Topics in Biology; Developmental and Systems Pathology**
Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**
Contact department for information to register for this course.

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI339C **Selected Topics in Biology; Cell Biology Lab**

BSCI339C *(PermReq)* **Selected Topics in Biology: Cell Biology Lab; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. Students must pay a $40.00 lab materials fee. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Hadiya Woodham Tu 2:00pm - 6:00pm	Seats (Total: 3) PLS 1171	Lab
0102	Hadiya Woodham W 11:00am - 5:00pm	Seats (Total: 3) PLS 1171	Lab

BSCI339D **Selected Topics in Biology; Biology of Chemosensory Systems**

BSCI339D Selected Topics in Biology: Biology of Chemosensory Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI353. Applicable towards Biological Sciences Specialization Areas: GENB, PHNB. Sponsoring Dept. (BIOL).

0101	Ricardo Araneda MW 2:00pm - 3:15pm	Seats (Total: 10) BPS 1230

BSCI339F **Selected Topics in Biology; Neurophysiology of Cells & Circuits**

BSCI339F Selected Topics in Biology: Neurophysiology of Cells & Circuits; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI353. Neurons do not act alone, and the function of their complex anatomy and physiological properties can often become clear when considering the context of the neural circuits they comprise. This course will focus on cellular neurophysiology and describe its larger function in the context of sensory and motor circuits, covering diverse topics ranging from visual processing, sound localization, timing in olfactory processing, oscillations and neural pattern generators, and motor control and plasticity. Applicable towards Biological Sciences Specialization Areas: PHNB, GENB (Cell Biology category), CEBG (Cell Biology category).

0101	Daniel Butts TuTh 5:00pm - 6:15pm	Seats (Total: 30) BPS 1230

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Undergraduate Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart for application information: This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Richard Stewart, John Buchner	Seats (Total: 25)
	F 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

BSCI348P *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Introductory Biology Curriculum and Instruction Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 10-10:50). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0201	Patricia Shields, Kristi Hall	Seats (Total: 20)
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Click here for more course information.

0101	David Straney	Seats (Total: 8)	
	Contact instructor or department for details.		

BSCI353 **Principles of Neuroscience**

BSCI353 Principles of Neuroscience; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122 or PHYS142.* Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

0101	Richard Payne, Elizabeth Quinlan	Seats (Total: 180)	
	TuTh 12:30pm - 1:45pm	HJP 0226	
SG91	David Sandstrom	Seats (Total: 40)	
	MW 11:00am - 12:15pm	BLD2 3032	
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222, BSCI106, and BSCI105.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, and GENB.

0101	Gerald Wilkinson	Seats (Total: 15)	
	MW 11:00am - 11:50am	PLS 1130	
	F 9:00am - 9:50am	BPS 2249	Discussion

0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) PLS 1130 BPS 1236	Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 BPS 1234	Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 BPS 2249	Discussion

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI106; and (MATH130 or MATH140).* Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Nathan Kraft TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 BPS 1238	Discussion
0102	Nathan Kraft TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 PLS 1115	Discussion
0103	Nathan Kraft TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 25) LEF 2205 PLS 1115	Discussion

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Charles Fenster	Seats (Total: 100)
	TuTh 11:00am - 12:15pm	PLS 1140

BSCI373 **Natural History of the Chesapeake Bay**

BSCI373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 credits in BSCI courses; or permission of CMNS-Biological Sciences UG Program. Also offered as: ENST373. Credit only granted for: BSCI206, BSCI373, or ENST373. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 80)
	MWF 3:00pm - 3:50pm	ANS 0408

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information. Click here for more course information.

0101	Louisa Wu	Seats (Total: 18)
	F 2:00pm - 2:50pm	HJP 1216

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI392 **Biology of Extinct Animals**

BSCI392 Biology of Extinct Animals; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106.* A survey of extinct animals that have few, if any, direct living descendants. The principles governing the functional design of animals will be used to infer life styles for extinct, and frequently bizarre, organisms. Specialization Areas: ECEV and GENB.

0101	Bretton Kent MWF 9:00am - 9:50am	Seats (Total: 55) PLS 1130

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept. :BIOL).

1000	Marjorie Reaka M 4:00pm - 5:00pm	Seats (Total: 35) BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI404 **Cell Biology from a Biophysical Perspective**

BSCI404 Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330. Recommended: PHYS121 and PHYS122. Also offered as: BIOL704, BIPH704. Credit only granted for: BSCI338O, BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BSCI338O. An approach to cell biology by focusing on mechanisms and unifying physical paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think mechanistically and quantitatively.

0101	Sergei Sukharev	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	PLS 1113

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232). An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG.

0101	Stephen Mount	Seats (Total: 120)
	TuTh 11:00am - 12:15pm	BPS 1250

BSCI411 **Bioinformatics and Integrated Genomics**

BSCI411 Bioinformatics and Integrated Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI222. Recommended: BSCI410. Credit only granted for: BSCI380 or BSCI411. Formerly: BSCI380. Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic, methods, pattern recognition, and functional inference. Functional and comparative genomics approaches. (Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee.

0101	Najib El-Sayed, Sridhar Hannenhalli MWF 10:00am - 10:50am M 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab
0102	Najib El-Sayed, Sridhar Hannenhalli MWF 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Caren Chang, Cornelia Van der Weele TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	
0102	Caren Chang, Cornelia Van der Weele TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	

BSCI415 **Molecular Genetics Laboratory**

BSCI415 Molecular Genetics Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in BSCI410. Restriction: Junior standing or higher. Credit only granted for: BSCI348G or BSCI415. Formerly: BSCI348G. Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function. (Sponsoring Dept.: CBMG). Specialization Areas: CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	David Straney	Seats (Total: 20)	
	TuTh 2:00pm - 5:00pm	HJP 2226	Lab

BSCI416 **Human Genetics**
Contact department for information to register for this course.

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

0101	Michael Ma	Seats (Total: 60)	
	MWF 12:00pm - 12:50pm	BPS 1250	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F.
Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421. Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Michael Ma	Seats (Total: 20)	
	MWF 12:00pm - 12:50pm	BPS 1250	
	Tu 2:00pm - 6:00pm	PLS 1171	Lab

0102	Michael Ma MWF 12:00pm - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab

BSCI424 **Pathogenic Microbiology**

BSCI424 Pathogenic Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223.* The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a $40.00 laboratory materials fee.

0101	Kenneth Frauwirth, Volker Briken TuTh 11:00am - 11:50am MW 9:00am - 10:50am	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0102	Volker Briken, Kenneth Frauwirth TuTh 11:00am - 11:50am MW 11:00am - 12:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0103	Volker Briken, Kenneth Frauwirth TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0104	Volker Briken, Kenneth Frauwirth TuTh 11:00am - 11:50am MW 3:00pm - 4:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
SEF1	David Rollins TuTh 6:30pm - 7:20pm TuTh 7:30pm - 9:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 18) BPS 1250 MCB 1135	 Lab

BSCI426 **Membrane Biophysics**

BSCI426 Membrane Biophysics; (3 credits) Grade Method: REG/P-F. CORE Capstone (CS) Course.
Prerequisite: BSCI330; and (PHYS142 or PHYS122); and (MATH130 or MATH140). Quantitative aspects of biology and the use of mathematical descriptions of biological phenomena. The focus will be on membrane structure, transport, and bioenergetics. Click here for more course information.

0101	Marco Colombini	Seats (Total: 25)
	TuTh 4:00pm - 5:15pm	BPS 1238

BSCI427 **Principles of Microscopy**

BSCI427 Principles of Microscopy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI421. An introduction to optical principles that underlie light and electron microscopic image formation. Brightfield, darkfield, phase contrast, differential interference contrast, fluorescence and polarized light microscopy. Comparison of light and electron microscopy. The application of these techniques to problems in biological research.

0101	Stephen Wolniak	Seats (Total: 6)
	MW 8:00am - 9:00am	HJP 1216

BSCI430 **Developmental Biology**

BSCI430 Developmental Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222 and BSCI330. Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types.

SEF1	Instructor: TBA	Seats (Total: 30)
	W 6:00pm - 9:00pm	BPS 1238
	Restricted to students in the SIE Program.	

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

0101	Jonathan Dinman MWF 11:00am - 11:50am	Seats (Total: 60) BPS 1243	
SG91	Sandra Fox-Moon MW 1:00pm - 2:15pm	Seats (Total: 40) BLD2 3012	
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

0101	Joshua Singer MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 29) BPS 1250 BPS 0283	 Discussion
0102	Joshua Singer MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 29) BPS 1250 BPS 1236	 Discussion
0103	Joshua Singer MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 19) BPS 1250 BPS 1238	 Discussion

0104	Joshua Singer MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 29) BPS 1250 BPS 0283	Discussion
0105	Joshua Singer MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 19) BPS 1250 BPS 1228	Discussion
0106	Joshua Singer MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 20) BPS 1250 BPS 1228	Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in BSCI440. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA F 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0102	Instructor: TBA F 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0103	Instructor: TBA F 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0104	Instructor: TBA F 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab

BSCI442 **Plant Physiology**

BSCI442 Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105. And must have completed CHEM233; or (CHEM231 and CHEM232).* A survey of the general physiological activities of plants. Offered Fall semester only. (Sponsoring Dept.: CBMG). Applies to Biological Sciences Specialization Areas: PHNB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm M 5:00pm - 8:00pm	Seats (Total: 11) HBK 1112 PLS 1153	 Lab
0102	Instructor: TBA TuTh 12:30pm - 1:45pm Tu 5:30pm - 8:30pm	Seats (Total: 11) HBK 1112 PLS 1153	 Lab

BSCI443 **Microbial Physiology**

BSCI443 Microbial Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BSCI223. And minimum grade of C- in BCHM461; or minimum grade of C- in BCHM463.* Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways.

0101	Steven Hutcheson MW 11:00am - 12:15pm	Seats (Total: 50) MCB 1207	

BSCI446 **Neural Systems**

BSCI446 Neural Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BSCI330 and BSCI353.* Neural development, followed by sensory, motor and integrative system organization in the central nervous system.Sponsoring Dept. (BIOL) Specialization Areas: PHNB, GENB.

0101	Catherine Carr TuTh 8:00am - 9:15am	Seats (Total: 60) PLS 1140	

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330, CHEM241, and CHEM242.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei MWF 10:00am - 10:50am	Seats (Total: 70) BPS 1243	

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG. *Prerequisite: Minimum grade of C- in BSCI330, CHEM231, CHEM232, and PHYS122. Corequisite: BSCI453 or BSCI446.* Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. (Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Hilary Bierman M 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab
0102	Hilary Bierman Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab
0103	Hilary Bierman W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab
0104	Hilary Bierman W 6:00pm - 9:00pm	Seats (Total: 20) BPS 0257	Lab
0105	Hilary Bierman Th 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab

BSCI465 **Behavioral Ecology**

BSCI465 Behavioral Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI106.* How natural and social environments shape individual behavior. The influence of evolution on patterns of individual adaptation. Use of the evolutionary paradigm to investigate specific problems in animal and human behavior.

0101	Instructor: TBA MW 10:00am - 11:15am	Seats (Total: 20) PLS 1117	

BSCI467 **Freshwater Biology**

BSCI467 Freshwater Biology; (4 credits) Grade Method: REG/P-F. *Prerequisite: Permission of CMNS-Biological Sciences UG Program.* Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications. Specialization Areas: ECEV and GENB. There is a $40.00 lab fee for this course.

0101	William Lamp MWF 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 24) BPS 0283 PLS 1161	 Lab
0102	William Lamp MWF 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 24) BPS 0283 PLS 1161	 Lab

BSCI471 **Molecular Evolution**

BSCI471 Molecular Evolution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222; or permission of CMNS-Biology department.* Patterns of DNA sequence variation within and between species, caused by nucleotide changes and the movement of transposable elements. Theories of molecular evolution, such as the neutral theory. Molecular clock hypothesis: its importance as a practical empirical tool in molecular genetics and systematics and its theoretical foundation.

0101	Michael Cummings TuTh 12:30pm - 1:45pm	Seats (Total: 25) BPS 1238	

BSCI481 **Insect Diversity and Classification**

BSCI481 Insect Diversity and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of CMNS-Biological Sciences UG Program. The techniques of collecting insects in the field and their classification into the latest hierarchical scheme. Field trips will visit habitats throughout the state. An insect collection is required. There is a $40.00 Lab fee for this course.

0101	Jeffrey Shultz	Seats (Total: 30)	
	F 10:00am - 10:50am	PLS 1117	
	M 10:00am - 1:00pm	PLS 1161	Lab
	W 10:00am - 1:00pm	PLS 1161	Lab

BSCV CIVICUS Fall 2014

BSCV181 **Civicus Student and the University**

BSCV181 Civicus Student and the University; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; and must be in the Civicus program. Credit only granted for: BSOS181 or BSCV181. Formerly: BSOS181. Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement.

0101	Lindsey Foss	Seats (Total: 25)
	M 2:00pm - 3:45pm	SOM 0101
0201	Julie Randolph	Seats (Total: 25)
	W 2:00pm - 3:45pm	SOM 0101
0301	James Bond	Seats (Total: 24)
	Th 2:00pm - 3:45pm	SOM 0101

BSCV191 **Introduction to Civicus**

BSCV191 Introduction to Civicus; (3 credits) Grade Method: REG.
Restriction: Must be in the Civicus program. Credit only granted for: BSCV191 or BSOS191. Formerly: BSOS191. An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services.

0101	Sue Briggs TuTh 9:30am - 10:45am	Seats (Total: 27) SOM 0101
0201	Sue Briggs TuTh 11:00am - 12:15pm	Seats (Total: 27) SOM 0101
0301	Sue Briggs TuTh 4:00pm - 5:15pm	Seats (Total: 27) SOM 0101

BSCV301 **Leadership in a Multicultural Society**

BSCV301 Leadership in a Multicultural Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCV191, SOCY105, and BSCV181. Restriction: Sophomore standing or higher. Credit only granted for: BSOS301 or BSCV301. Formerly: BSOS301. A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.

0101	Sue Briggs MW 4:00pm - 5:15pm	Seats (Total: 32) SOM 0101
0201	Steven Petkas, Nicole Mehta TuTh 12:30pm - 1:45pm	Seats (Total: 32) SOM 0101

BSCV309 **Civicus Seminar**

BSCV309 Civicus Seminar; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 5)

BSGC Global Communities Fall 2014

BSGC100 **The Student in the University: Global Communities**

BSGC100 *(PermReq)* **The Student in the University: Global Communities; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be enrolled in Global Communities Living-Learning Program. By Permission Only (BPO). Students will develop a sense of community within the program, become familiar with campus resources, gain skills and information to prepare for the Global Experience Semester, and explore the surrounding international community.

0101	Malaika Serrano Tu 9:30am - 10:45am	Seats (Total: 26) DOR 0128	
0102	Malaika Serrano Tu 11:00am - 12:15pm	Seats (Total: 25) DOR 0128	
0103	Malaika Serrano Tu 2:00pm - 3:15pm	Seats (Total: 25) DOR 0128	

BSGC101 **Globalization**

BSGC101 *(PermReq)* **Globalization; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Restriction: Must be in Global Communities Living-Learning program. An exploration of a variety of perspectives and ways of understanding the historical evolution and contemporary significance of growing interconnectedness in the world. We will examine this through the lens a major contemporary issue, currently "global food," which looks at the ways in which food is culturally, economically, politically and socially placed within a global context.

0101	Virginia Haufler Tu 3:30pm - 4:45pm Th 9:30am - 10:45am	Seats (Total: 27) TYD 2109 DOR 0128	 Discussion
0102	Virginia Haufler Tu 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 2109 DOR 0128	 Discussion
0103	Virginia Haufler Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) TYD 2109 DOR 0128	 Discussion

BSGC302 **BSGC 302 Capstone: Global Connections**

BSGC302 *(PermReq)* **BSGC 302 Capstone: Global Connections; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning program. By permission only (BPO). Additional information: This course is limited to second-year students in the Global Communities Living-Learning Program who have completed or are in the midst of completing their Global Experience requirement. Final component of the Global Communities curriculum. The course connects the global experience with previous BSGC coursework.

0101	Virginia Haufler	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

BSGC386 **Experiential Learning in Global Communities: Global Internship**

BSGC386 Experiential Learning in Global Communities: Global Internship; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E. Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

0101	Natalie Vinski	Seats (Total: 10)
	Contact instructor or department for details.	

BSGC399 **Topical Investigations in Global Communities**

BSGC399 *(PermReq)* **Topical Investigations in Global Communities; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Virginia Haufler	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

BSOS Behavioral and Social Sciences Fall 2014

BSOS248A **Leadership Seminar I; Ambassadors**
Contact department for information to register for this course.

BSOS248D	**Leadership Seminar I; Dean's Student Advisory Council** **Contact department for information to register for this course.**
BSOS248P	**Leadership Seminar I; Peer Mentors** **Contact department for information to register for this course.**
BSOS258D	**Leadership Practicum I; Dean's Student Advisory Council** **Contact department for information to register for this course.**
BSOS258L	**Leadership Practicum I; DSAC Officers** **Contact department for information to register for this course.**
BSOS258P	**Leadership Practicum I; Peer Mentors** **Contact department for information to register for this course.**
BSOS288I	**Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences** **Contact department for information to register for this course.**
BSOS288V	**Special Topics in Behavioral and Social Sciences; Technology Apprentice Program** **Contact department for information to register for this course.**
BSOS289I	**Playing the Market: Managing Risk and Using Technical Analysis** **BSOS289I Playing the Market: Managing Risk and Using Technical Analysis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series. Through readings, class discussion, guest lecturers, anda simulated portfolio construction and class trading competition, this course will introduce students to investing and trading, with special emphasis on the field of technical analysis. The technical approach to the markets focuses largelly on the analysis of price and volume patterns as indicators of stock trends. Students will learn how to evaluate companies using internet sources and a technical analysis program. Each student will be expected to use a set of trading rules to apply to theirtrading ofa virtual $100,000 margin portfolio and to manage risk. Students will develop an accurate view of the risks of benefits of trading stocks and an appreciation of the complexities involved in the technical approach to trading stocks. The course assumes no prior knowledge of the stock market.

FC01	Eric Wish	Seats (Total: 90)
	F 9:30am - 12:30pm	SHM 2102
	Restricted to students in Freshmen Connection.	

BSOS358A **Leadership Practicum II; Ambassadors**
Contact department for information to register for this course.

BSOS358D **Leadership Practicum II; Leadership Practicum II DSAC**
Contact department for information to register for this course.

BSOS358L **Leadership Practicum II; DSAC Officers**
Contact department for information to register for this course.

BSOS358P **Leadership Practicum II; Peer Mentors**
Contact department for information to register for this course.

BSOS386 **Experiential Learning**
Contact department for information to register for this course.

BSOS388A **Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**
Contact department for information to register for this course.

BSOS388D **Behavioral and Social Sciences Special Topics; BSOS Solutions Lab: Careers Paths for Business Entrepreneurs**

BSOS388D *(PermReq)* **Behavioral and Social Sciences Special Topics: BSOS Solutions Lab: Careers Paths for Business Entrepreneurs; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to students in the College of Behavioral and Social Sciences. Explore the skills and mindset of successful business entrepreneurs. Learn how to apply behavioral and social sciences research methods and tools to effectively market yourself and your ideas in all kinds of business and professional settings. Learn how to navigate career resources and meet BSOS Alumni Entrepreneurs who serve as consultants and mentors in the BSOS Solutions Lab. For permission to enroll, email Dr. Russell at krussell@umd.edu with your name, UID, and a brief statement about why you wish to enroll in this course.

0101	Blessing Enekwe, Steven Begleiter Th 5:00pm - 6:30pm	Seats (Total: 20) HBK 3134

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**
Contact department for information to register for this course.

BSOS388G **Behavioral and Social Sciences Special Topics; Global Scholars Seminar**
Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**
Contact department for information to register for this course.

BSOS388M **Behavioral and Social Sciences Special Topics; Social Science Independent Research**
Contact department for information to register for this course.

BSOS388P **Behavioral and Social Sciences Special Topics; PULSAR Research Seminar; MD Lang Sci Ctr**
Contact department for information to register for this course.

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**
Contact department for information to register for this course.

BSOS388R **Behavioral and Social Sciences Special Topics; PULSAR Research Practicum, MD Lang Sci Ctr**
Contact department for information to register for this course.

BSOS399A **Directed Study in Behavioral and Social Sciences; Introduction to Arab-Islamic Civilization**
Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences; Directed Research in International Development**
Contact department for information to register for this course.

BSOS399P **Directed Study in Behavioral and Social Sciences; Undergraduate Research**
Contact department for information to register for this course.

BSOS399T **Directed Study in Behavioral and Social Sciences; Civicus Teaching Assistant**
Contact department for information to register for this course.

BSOS399Z **Directed Study in Behavioral and Social Sciences; The Role of Religion in Conflict and Resolution**
Contact department for information to register for this course.

BSOS448C **Teaching Assistant Practicum; Civicus**
Contact department for information to register for this course.

BSOS448D **Teaching Assistant Practicum; Dean's Student Advisory Council**
Contact department for information to register for this course.

BSOS448I **Teaching Assistant Practicum; Internship**
Contact department for information to register for this course.

BSOS448T **Teaching Assistant Practicum; (UNIV)**
Contact department for information to register for this course.

BSOS448W **Teaching Assistant Practicum; Global Communities**

BSOS448W *(PermReq)* **Teaching Assistant Practicum: Global Communities; (3 credits)** Grade Method: REG.
Repeatable to 6 credits, if content differs.

0101	Virginia Haufler	Seats (Total: 5)
	Contact instructor or department for details.	

BSST Terrorism Studies Fall 2014

BSST330 **Terrorist Motivations and Behaviors**

BSST330 Terrorist Motivations and Behaviors; (3 credits) Grade Method: REG. *Restriction: Must be in the Global Terrorism minor; or special permission available for students in other Global Studies minors. Credit only granted for: BSOS330 or BSST330. Formerly: BSOS330.* Explores theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history.

0101	Mansoor Moaddel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 2110

BSST332 **The Practice of Terrorism Studies**

BSST332 The Practice of Terrorism Studies; (5 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: BSST330 and BSST331. Restriction: Must be in the Terrorism Studies minor program. Credit only granted for: BSOS332 or BSST332. Formerly: BSOS332.
Capstone course for students in the Global Terrorism Minor. Explores in-depth rigorous approaches to conducting research on terrorism and to developing policy on terrorism and counterterrorism. Examines the interplay between terrorism research and counterterrorism policy. All students will participate in an internship or complete a substantive original research project alongside the courses weekly seminar meeting.

0101	Johanna Birnir M 1:00pm - 3:45pm Contact instructor or department for details.	Seats (Total: 35) CHM 1228	

BSST334 **States of Emergency**

BSST334 States of Emergency; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Students will explore the manner in which crises unfold from the perspective of a variety of emergency response disciplines, including: emergency management, law enforcement, intelligence analysis, cyber analysis, risk communication, health and human services, and emergency psychiatry/psychology. Students will participate in a semester-long simulation of an unfolding terrorist attack.

0101	Katherine Izsak Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 40) CHE 2110 ONLINE	 Discussion
0102	Katherine Izsak Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 40) CHE 2110 ONLINE	 Discussion
0103	Katherine Izsak Tu 2:00pm - 3:15pm Th 3:30pm - 4:45pm	Seats (Total: 40) CHE 2110 ONLINE	 Discussion

BSST338F **Special Topics in Terrorism Studies; Media in War and Crisis**
Contact department for information to register for this course.

BSST338I **Special Topics in Terrorism Studies; Arab-Israeli Relations**

Contact department for information to register for this course.

BSST338J **Special Topics in Terrorism Studies; Law, National Security, and Terror: Israeli Perspectives**

BSST338J Special Topics in Terrorism Studies: Law, National Security, and Terror: Israeli Perspectives; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT368F and ISRL448J. Credit will be granted for BSST 338J, GVPT368F or ISRL448J. Since its establishment in 1948, Israel has gained considerable experience in dealing with the complex relationship between law and the fight against terrorism. This seminar will present Israeli perspectives on dilemmas that the Western world as a whole is concerned with, arising from the need to find a balance between national security, democracy, and human rights.

0101	Instructor: TBA Th 3:00pm - 5:30pm	Seats (Total: 30) LEF 2166

BSST338N **Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

BSST338R **Special Topics in Terrorism Studies; Peace and Conflict Honors Seminar II: Regional Conflicts**
Contact department for information to register for this course.

BSST338V **Special Topics in Terrorism Studies; Innovation in Countering Violent Extremism**

BSST338V Special Topics in Terrorism Studies: Innovation in Countering Violent Extremism; (3 credits) Grade Method: REG/P-F/AUD.
Based on the call from the US government to better understand and counter terrorism, this course looks at the novel approach, known as Countering Violent Extremism to build resilience, community engagement, and advocacy. Drawing on innovative theories, student will develop their own CVE project ideas. Students will conclude the semester by presenting their proposals to a panel of CVE specialists drawn from homeland and international security professionals in the Washington, DC, area.
A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Katherine Izsak, William Braniff MW 9:30am - 10:45am	Seats (Total: 30) TWS 0201

BSST340 **Oral Communication for National Security Careers**

BSST340 Oral Communication for National Security Careers; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: BSST340 or BSST338E. Formerly: BSST338E. Students will discuss perspectives on strategic communication and national security, while discussing and practicing public speaking skills and developing proficiency in three genres of security-related briefings. Students will work with the technical, scientific, and/or specialized data, vocabularies, processes, and products of the academic disciplines and/or fields of expertise relevant to national and international security careers.

FC01	Heather Epkins	Seats (Total: 20)
	TuTh 6:00pm - 7:15pm	KEY 0125
	Restricted to students in Freshmen Connection.	

BSST399J **Individual Study in Terrorism Studies; Cyber Security and Digital Terrorism, Part 1**

BSST399J *(PermReq)* **Individual Study in Terrorism Studies: Cyber Security and Digital Terrorism, Part 1; (1 credit)** Grade Method: REG/P-F/AUD.
Contact department for information to register for this course.

0101	Instructor: TBA	Seats (Total: 3)
	Contact instructor or department for details.	

BSST399L **Individual Study in Terrorism Studies; Homeland Security**

BSST399L *(PermReq)* **Individual Study in Terrorism Studies: Homeland Security; (3 credits)** Grade Method: REG/P-F/AUD.
Contact department for information to register.

0101	Katherine Izsak	Seats (Total: 6)
	Contact instructor or department for details.	

BSST399T **Individual Study in Terrorism Studies; Teaching Terrorism**

BSST399T *(PermReq)* **Individual Study in Terrorism Studies: Teaching Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Johanna Birnir	Seats (Total: 6)
	Contact instructor or department for details.	

0301	Mansoor Moaddel Contact instructor or department for details.	Seats (Total: 6)
0401	Katherine Izsak Contact instructor or department for details.	Seats (Total: 6)

BSST630 **Motivations and Intents of Terrorists and Terrorist Groups**

BSST630 Motivations and Intents of Terrorists and Terrorist Groups; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Terrorism Analysis Graduate Certificate Program. Credit only granted for: BSOS630 or BSST630. Formerly: BSOS630. Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.

ST01	Anthony Lemieux **Meets September 22, 2014 - December 12, 2014** Tu 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 35) ONLINE

BSST632 **Development of Counterterrorism Policies and Programs**

BSST632 *(PermReq)* **Development of Counterterrorism Policies and Programs; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in the Terrorism Analysis Graduate Certificate Program; or permission of department. Credit only granted for: BSOS632 or BSST632. Formerly: BSOS632. Addresses the formulation, adoption, effectiveness, impacts, and afterlives of counterterrorism policies and programs. Admission to Terrorism Analysis Graduate Certificate Program required.

ST01	Jeffrey Gruenewald **Meets September 2, 2014 - November 21, 2014** Th 6:00pm - 8:30pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE

BUAC Accounting and Information Assurance — Fall 2014

BUAC711 **Financial Planning and Control Systems for Managers and Consultants**

BUAC711 Financial Planning and Control Systems for Managers and Consultants; (2 credits) Grade Method: REG.
Prerequisite: BUSI611, BUSI681, and BUSI630; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT711 and BUAC711. Formerly: BMGT711. This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing.

BA01	Lawrence Gordon **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

DC01	Partha Sengupta **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C5

BUAC758J **Special Topics in Accounting and Information Assurance; Enterprise Risk Management**

BUAC758J Special Topics in Accounting and Information Assurance: Enterprise Risk Management; (2 credits) Grade Method: REG.

GS06	Matthew Gagnon **Meets November 1, 2014 - December 13, 2014** Sa 1:40pm - 5:50pm *For MS in Accounting Only. Meets 11/1, 11/8, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 40) BLD2 2062

BUAC758L **Special Topics in Accounting and Information Assurance; Intermediate Accounting I**

BUAC758L Special Topics in Accounting and Information Assurance: Intermediate Accounting I; (2 credits) Grade Method: REG.

0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 6:30pm - 8:20pm *For MBA students as well as MS in Accounting students.*	Seats (Total: 0) VMH 1202
0502	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 3:30pm - 5:40pm	Seats (Total: 0) SQH 1121

BUAC758M **Special Topics in Accounting and Information Assurance; Intermediate Accounting II**

BUAC758M Special Topics in Accounting and Information Assurance: Intermediate Accounting II; (2 credits) Grade Method: REG.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 6:30pm - 8:20pm *For MBA students as well as MS in Accounting students.*	Seats (Total: 0) VMH 1202

0502	Instructor: TBA	Seats (Total: 0)
	Meets October 22, 2014 - December 12, 2014	
	TuTh 3:30pm - 5:20pm	SQH 1121

BUAC758V **Special Topics in Accounting and Information Assurance; Taxation of Corporations and Other Entities**

BUAC758V Special Topics in Accounting and Information Assurance: Taxation of Corporations and Other Entities; (2 credits) Grade Method: REG.

GS07	Jeffrey Milton	Seats (Total: 40)
	Meets August 23, 2014 - October 25, 2014	
	Sa 9:30am - 12:20pm	BLD2 2032
	For MS in Accounting students only. Meets 8/23, 9/6, 9/13, 9/20, 9/27, 10/4, 10/11, 10/18, Final 10/25.	

BUAC758W **Special Topics in Accounting and Information Assurance; Taxation of Not-for-Profit Entities**

BUAC758W Special Topics in Accounting and Information Assurance: Taxation of Not-for-Profit Entities; (2 credits) Grade Method: REG.

0501	Samuel Handwerger	Seats (Total: 20)
	Meets August 25, 2014 - October 13, 2014	
	TuTh 3:10pm - 5:00pm	VMH 1528
	For MS in Accounting students only.	

BUAC758X **Special Topics in Accounting and Information Assurance; Real Estate Taxation**

BUAC758X Special Topics in Accounting and Information Assurance: Real Estate Taxation; (2 credits) Grade Method: REG.

0501	Jeffrey Milton	Seats (Total: 20)
	Meets October 22, 2014 - December 12, 2014	
	TuTh 7:00pm - 8:50pm	VMH 1314
	For MS in Accounting students only.	

GS06	Jeffrey Milton **Meets November 1, 2014 - December 13, 2014** Sa 8:30am - 12:40pm *For MS in Accounting students only. Meets 11/1, 11/8, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 20) BLD2 2052

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC765 **Business Ethics for Accountants and Auditors**

BUAC765 Business Ethics for Accountants and Auditors; (3 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Considers all facets of business ethics issues within an accounting and auditing context. Ethical theory, corporate social responsibility, and individual decision-making are considered. Some of the applied topics that may be covered in this course include, but are not limited to, intellectual property issues, corporate downsizing, outsourcing, global ethics, crises management, and employment ethics.

0501	James Lager **Meets October 22, 2014 - December 12, 2014** MW 6:00pm - 8:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	James Lager **Meets October 22, 2014 - December 12, 2014** TuTh 6:00pm - 8:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333

GS06	James Lager **Meets August 23, 2014 - October 25, 2014** Sa 1:40pm - 5:50pm *For MS in Accounting students only. Meets 8/23, 9/6, 9/13, 9/20, 9/27, 10/4, 10/11, 10/18, Final 10/25.*	Seats (Total: 60) BLD2 2032

BUAC780 **Financial Statement Analysis for Accountants and Auditors**

BUAC780 *(PermReq)* **Financial Statement Analysis for Accountants and Auditors; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Provides a framework for using a firm's financial statements to perform a comprehensive analysis of the firm's operating performance, cash management, and financial position as well as to value the firm and to detect earning management. It includes an overview of the accounting and auditing standard setting framework, and the relevance of U.S. GAAP as well as International Financial Reporting Standards (IFRS) to accounting recognition, measurement, presentation, and disclosure. The course also identifies the analytical relevance of a selected set of more advanced accounting topics (e.g., valuing employee stock options).

0501	Nicholas Seybert **Meets August 25, 2014 - October 13, 2014** TuTh 3:30pm - 6:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333
GS51	Nicholas Seybert **Meets September 25, 2014 - December 12, 2014** W 6:00pm - 9:25pm *For MS in Accounting students only.*	Seats (Total: 0) BLD2 2052

BUAC782 **Advanced Managerial Accounting and Control Systems**

BUAC782 *(PermReq)* **Advanced Managerial Accounting and Control Systems; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Focuses on topics that emphasize the role of managerial accounting in a firm's overall management planning and control structure. A key concern is to show how effective organizations ensure that the parts of the organization work together to create the whole, and how the sum of the parts, through synergy, can indeed be greater then the whole.

0501	Lei Zhou **Meets October 22, 2014 - December 14, 2014** MW 1:00pm - 3:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1520
0502	Lei Zhou **Meets October 22, 2014 - December 14, 2014** MW 4:00pm - 6:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
GS51	Peter McPhun **Meets September 25, 2014 - December 12, 2014** M 6:00pm - 9:25pm *For MS in Accounting students only.*	Seats (Total: 0) BLD2 2062

BUAC784 **Business Communications for Accountants and Auditors**

BUAC784 *(PermReq)* **Business Communications for Accountants and Auditors; (2 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Focuses on the art of communication and its effects on people, organizations, and other stakeholders. The course will focus on two aspects of business communications: persuasion and effective presentations. The objective for the persuasion sessions is to have students improve upon their day-to-day oral business communications skills. This will be accomplished as participants learn to tailor each communication to the person or people with whom they are speaking.

0501	Jodell Johnson **Meets August 25, 2014 - October 13, 2014** MW 3:30pm - 5:20pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
0502	Jodell Johnson **Meets August 25, 2014 - October 13, 2014** MW 6:00pm - 7:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
GS51	Espey Browning **Meets August 25, 2014 - September 17, 2014** MW 6:00pm - 9:35pm *For MS in Accounting students only.*	Seats (Total: 0) BLD2 2062

BUAC786 **Internal Auditing I: Conceptual and Institutional Framework**

BUAC786 *(PermReq)* **Internal Auditing I: Conceptual and Institutional Framework; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

0501	Alan Siegfried, Elizabeth Folsom **Meets October 22, 2014 - December 12, 2014** TuTh 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1412

BUAC787 **Internal Auditing II: Internal Audit Application and Practice**

BUAC787 Internal Auditing II: Internal Audit Application and Practice; (3 credits) Grade Method: REG.
Prerequisite: BUAC786. Restriction: Must be in Business and Management (Master's) program. This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

GS06	Elizabeth Folsom, Alan Siegfried **Meets August 23, 2014 - October 25, 2014** Sa 8:30am - 12:40pm *For MS in Accounting students only. Meets 8/23, 9/6, 9/13, 9/20, 9/27, 10/4, 10/11, 10/18, Final 10/25.*	Seats (Total: 40) BLD2 2052

BUAC792 **Forensic Accounting/Auditing**

BUAC792 Forensic Accounting/Auditing; (3 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Provides a theoretical background and practical application of fraud examinations and corporate investigations. Fraud prevention, detection, investigation, and related matters such as courtroom procedures will be included. Also considered are topics such as FCPA and securities fraud. A wide variety of teaching tools are used.

0501	Ariel Ramirez **Meets August 25, 2014 - October 13, 2014** MW 6:00pm - 8:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Ariel Ramirez **Meets August 25, 2014 - October 13, 2014** TuTh 6:30pm - 9:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1412

BUDT Decision and Information Technologies Fall 2014

BUDT706 **Social Media and Web 2.0**

BUDT706 Social Media and Web 2.0; (2 credits) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Over the past years, social computing technologies such as online communities, blogs, wikis, and social networking systems have become important tools for individuals to seek information, socialize with others, get support, collaborate on work, and express themselves. Increasingly, businesses are trying to leverage web 2.0 by using social computing technologies to communicate with customers, employees, and other business partners or to build new business models. This course will review concepts and principles related to web 2.0 and examine issues and strategies associated with business use of social computing technologies.

DC06	Sivakumar Viswanathan, Sunil Mithas	Seats (Total: 40)
	Meets August 23, 2014 - October 11, 2014	
	Sa 1:40pm - 5:50pm	DC C1
	Meets: 8/23, 8/30, 9/6, 9/20, 9/27, 10/4, Final 10/11. Students taking BUMK758O "Social Media and Internet Marketing" should not register for this course.	

BUDT758J **Special Topics in Decision, Operations and Information Technologies; Management of Information Systems**

BUDT758J Special Topics in Decision, Operations and Information Technologies: Management of Information Systems; (2 credits) Grade Method: REG.

Click here for more course information.

0501	Barnet Corwin	Seats (Total: 0)
	Meets October 22, 2014 - December 12, 2014	
	TuTh 1:00pm - 2:50pm	VMH 1505
	For MS in Information Systems students only.	

BUDT758Y **Special Topics in Decision, Operations and Information Technologies; Database Management Systems**

BUDT758Y Special Topics in Decision, Operations and Information Technologies: Database Management Systems; (3 credits) Grade Method: REG.

0501	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** MW 11:00am - 12:15pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528
0502	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** MW 2:00pm - 3:15pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528

BUDT758Z **Special Topics in Decision, Operations and Information Technologies; Data Networks and Infrastructures**

BUDT758Z Special Topics in Decision, Operations and Information Technologies: Data Networks and Infrastructures; (3 credits) Grade Method: REG.

0501	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** MW 12:30pm - 1:45pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528
0502	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** MW 3:30pm - 4:45pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.* Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

DC01	Yi Xu	Seats (Total: 45)
	Meets October 22, 2014 - December 12, 2014	
	Th 6:25pm - 10:00pm	DC C2
	The Final will be held on Tuesday, December 18.	

BUFN Finance Fall 2014

BUFN738 **Investment Fund Management**

BUFN738 *(PermReq)* **Investment Fund Management; (3 credits)** Grade Method: REG.

DC06	Gurdip Bakshi	Seats (Total: 17)
	Meets August 23, 2014 - December 13, 2014	
	Sa 8:50am - 1:00pm	DC C5
	Meets 8/23, 9/6, 9/20, 9/27, 10/11, 10/25, 11/8, 11/22, 12/13.	

BUFN738A **Investment Fund Management; Mayer Fund**
Contact department for information to register for this course.

BUFN738B **Investment Fund Management; MBA Consulting Project: New Market Growth Fund**
Contact department for information to register for this course.

BUFN740 **Capital Markets**

BUFN740 Capital Markets; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).
Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1330
0502	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 3:10pm - 5:00pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1330
BA01	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) DC C5
DC06	Instructor: TBA **Meets August 23, 2014 - October 11, 2014** Sa 1:40pm - 5:50pm *Meets 8/23, 8/30, 9/6, 9/20, 9/27, 10/4, Final 10/11.*	Seats (Total: 40) DC C5

DC51	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** M 1:00pm - 4:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2
GS01	Gurdip Bakshi **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUFN750 **Valuation in Corporate Finance**

BUFN750 Valuation in Corporate Finance; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.* An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 3:10pm - 5:00pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1330
0502	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 1:00pm - 2:50pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1330
BA01	Bharat Jain **Meets October 22, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BA 102

DC01	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC06	Bharat Jain **Meets October 18, 2014 - December 13, 2014** Sa 8:40am - 12:50pm *Meets 10/18, 10/25, 11/1, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 40) DC C1
DC51	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

BUFN752 **Financial Restructuring**

BUFN752 Financial Restructuring; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.* Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0101	Richmond Mathews **Meets August 25, 2014 - October 13, 2014** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
0501	Richmond Mathews **Meets August 25, 2014 - October 13, 2014** MW 10:10am - 12:00pm *For MS in Finance students only.*	Seats (Total: 35) VMH 1518

DC01	Richmond Mathews **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC51	Richmond Mathews **Meets August 25, 2014 - October 13, 2014** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 51) DC C1

BUFN753 **Corporate Governance and Performance**

BUFN753 Corporate Governance and Performance; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Deals with corporate governance and its impact on shareholder value. Divergence of interests between corporate insiders and providers of funds leads to agency problems which can impair corporate performance and shareholder value. Various instruments of corporate governance - internal as well as external mechanisms - that can help align managerial incentives with those of outside investors, and hence help restore shareholder value will be studied.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** MW 8:00am - 9:50am *For MS in Finance students only.*	Seats (Total: 40) VMH 1520
GS01	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0101	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** MW 10:10am - 12:00pm	Seats (Total: 35) VMH 1511

BUFN755 **Entrepreneurial Finance and Private Equity**

BUFN755 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647. An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

BA01	Xiaohui Bakshi **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUFN758F **Special Topics in Finance; Experiential Learning Project**
Contact department for information to register for this course.

BUFN758R **Special Topics in Finance; Financial Institute Risk Management**

BUFN758R Special Topics in Finance: Financial Institute Risk Management; (2 credits) Grade Method: REG.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 10:10am - 12:00pm *For MS in Finance students only.*	Seats (Total: 35) VMH 1333

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0501	Sarah Kroncke **Meets August 25, 2014 - October 13, 2014** TuTh 8:00am - 9:50am *For MS in Finance students only.*	Seats (Total: 45) VMH 1333
DC01	Sarah Kroncke **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 50) DC C1

BUFN761 **Derivative Securities**

BUFN761 Derivative Securities; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726. Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 10:10am - 12:00pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1330
0502	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 8:00am - 9:50am *For MS in Finance Students only.*	Seats (Total: 0) VMH 1330
DC01	Joseph Rinaldi **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) DC C4
DC06	Instructor: TBA **Meets October 18, 2014 - December 13, 2014** Sa 1:40pm - 5:50pm *Meets 10/18, 10/25, 11/1, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 40) DC C1
DC51	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731. Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1333
0502	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** TuTh 3:10pm - 5:00pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1528
DC51	Mark Taranto **Meets October 22, 2014 - December 12, 2014** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700. Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

GS01	Gurdip Bakshi **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3062

BUFN765 **Fixed Income Derivatives**

BUFN765 Fixed Income Derivatives; (2 credits) Grade Method: REG. *Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.* Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

0501	Mark Taranto **Meets October 22, 2014 - December 12, 2014** MW 10:10am - 12:00pm *For MS in Finance students only.*	Seats (Total: 35) VMH 1511
DC51	Mark Taranto **Meets August 25, 2014 - October 13, 2014** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C1

BUFN770 **International Investment**

BUFN770 International Investment; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.
Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategey.

0101	Steven Heston **Meets October 22, 2014 - December 12, 2014** MW 10:10am - 12:00pm	Seats (Total: 35) VMH 1518
0501	Steven Heston **Meets August 25, 2014 - October 13, 2014** MW 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 50) VMH 1520
DC01	Steven Heston **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) DC C4
DC51	Steven Heston **Meets October 28, 2014 - December 12, 2014** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 40) Location: TBA

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG.
Prerequisite: BUFN770. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724. Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

0501	Steven Heston **Meets October 22, 2014 - December 12, 2014** TuTh 8:00am - 9:50am *For MS in Finance students only.*	Seats (Total: 40) VMH 1505

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN722 or BUFN772. Formerly: BUFN722. Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services industry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** MW 7:00pm - 8:50pm *For MS in Finance students only.*	Seats (Total: 45) VMH 1202
DC51	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C1

BULM Logistics, Business, and Public Policy — Fall 2014

BULM742 **Global Supply Chain Resources Planning**

BULM742 Global Supply Chain Resources Planning; (2 credits) Grade Method: REG.

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.

0101	Thomas Corsi, Philip Evers **Meets October 22, 2014 - December 12, 2014** MW 7:00pm - 8:50pm	Seats (Total: 40) VMH 1412
GS01	Thomas Corsi, Philip Evers **Meets September 13, 2014 - October 4, 2014** Sa 8:30am - 5:50pm *Meets 9/13, 9/27, 10/04.*	Seats (Total: 33) BLD3 3202

BULM758C **Special Topics in Logistics, Business and Public Policy; Assessing and Managing Supply Chain Risks**

BULM758C Special Topics in Logistics, Business and Public Policy: Assessing and Managing Supply Chain Risks; (2 credits) Grade Method: REG.

0101	Sandor Boyson **Meets August 25, 2014 - October 13, 2014** MW 7:00pm - 8:50pm	Seats (Total: 40) VMH 1412

BULM758M **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits) Grade Method: REG.

DC01	Jahangir Boroumand	Seats (Total: 40)
	Meets October 22, 2014 - December 12, 2014	
	W 6:25pm - 10:00pm	DC C4

BULM758N **Special Topics in Logistics, Business and Public Policy; Global Supply Chain Resources Planning**

BULM758N Special Topics in Logistics, Business and Public Policy: Global Supply Chain Resources Planning; (3 credits) Grade Method: REG.

0501	Philip Evers	Seats (Total: 0)
	Meets August 25, 2014 - October 13, 2014	
	MW 8:00am - 10:45am	VMH 1528
	For MS in Supply Chain Management students only.	

BULM758R **Special Topics in Logistics, Business and Public Policy; The Role of Government in a Free Enterprise System**

BULM758R Special Topics in Logistics, Business and Public Policy: The Role of Government in a Free Enterprise System; (2 credits) Grade Method: REG.

BA01	Leland Gardner	Seats (Total: 40)
	Meets August 25, 2014 - October 13, 2014	
	M 6:25pm - 10:00pm	BA 101

BULM758T **Special Topics in Logistics, Business and Public Policy; Global Transportation Management**

BULM758T Special Topics in Logistics, Business and Public Policy: Global Transportation Management; (2 credits) Grade Method: REG.

0501	Thomas Corsi **Meets August 25, 2014 - October 13, 2014** MW 8:00am - 9:50am *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1520
0502	Thomas Corsi **Meets August 25, 2014 - October 13, 2014** MW 10:10am - 12:00pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1520

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Fall 2014

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI650.* Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.

0101	Jie Zhang **Meets October 22, 2014 - December 12, 2014** MW 1:00pm - 2:50pm	Seats (Total: 40) VMH 1511
DC01	Michel Wedel **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) DC C1

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business.

DC01	Rebecca Ratner **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 50) DC C2

BUMK716 **Brand Management**

BUMK716 Brand Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

BA01	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 103
DC01	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C1

BUMK717 **Integrated Marketing Communications**

BUMK717 Integrated Marketing Communications; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

0101	Anastasiya Pocheptsova **Meets August 25, 2014 - October 13, 2014** TuTh 3:10pm - 5:00pm	Seats (Total: 35) VMH 1518
GS01	Rosellina Ferraro **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUMK758B **Special Topics in Marketing; Market-Based Management**

BUMK758B *(PermReq)* **Special Topics in Marketing: Market-Based Management; (3 credits)** Grade Method: REG.
Click here for more course information.

GS51	Henry Boyd **Meets August 25, 2014 - December 12, 2014** Th 1:00pm - 3:30pm *For MS in Marketing Analytics students only.*	Seats (Total: 0) BLD2 2032

BUMK758C **Special Topics in Marketing; Public Relations and Communication for Executives**

BUMK758C Special Topics in Marketing: Public Relations and Communication for Executives; (2 credits) Grade Method: REG.

0101	Karin Hurt **Meets August 25, 2014 - October 13, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 30) VMH 1518

BUMK758D **Special Topics in Marketing; Customer Analysis**

BUMK758D *(PermReq)* **Special Topics in Marketing: Customer Analysis; (3 credits)** Grade Method: REG.
Click here for more course information.

GS51	Rosellina Ferraro **Meets August 25, 2014 - December 12, 2014** M 1:00pm - 3:30pm *For MS in Marketing Analytics students only.*	Seats (Total: 0) BLD2 2032

BUMK758E **Special Topics in Marketing; Statistical Programming**

BUMK758E *(PermReq)* **Special Topics in Marketing: Statistical Programming; (3 credits)** Grade Method: REG.
Click here for more course information.

GS51	Pallassana Kannan **Meets August 25, 2014 - December 12, 2014** W 1:00pm - 3:30pm *For MS in Marketing Analytics students only.*	Seats (Total: 0) BLD2 2032

BUMK758F **Special Topics in Marketing; Business Ethics I & Policies**

BUMK758F *(PermReq)* **Special Topics in Marketing: Business Ethics I & Policies; (1 credit)** Grade Method: REG.
Click here for more course information.

GS51	Wendy Moe	Seats (Total: 0)
	Meets August 25, 2014 - December 12, 2014	
	F 1:00pm - 2:50pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758J **Special Topics in Marketing; Pricing Strategies for Sustainable Competitive Advantage**

BUMK758J Special Topics in Marketing: Pricing Strategies for Sustainable Competitive Advantage; (2 credits) Grade Method: REG.

BA01	Pallassana Kannan	Seats (Total: 40)
	Meets August 25, 2014 - October 13, 2014	
	Th 6:25pm - 10:00pm	BA 103

BUMK758K **Special Topics in Marketing; Advanced Marketing Analytics**

BUMK758K *(PermReq)* **Special Topics in Marketing: Advanced Marketing Analytics; (3 credits)** Grade Method: REG.
Click here for more course information.

GS51	Michel Wedel	Seats (Total: 0)
	Meets August 25, 2014 - December 12, 2014	
	Tu 12:00pm - 2:30pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758P **Special Topics in Marketing; New Product Development**

BUMK758P Special Topics in Marketing: New Product Development; (2 credits) Grade Method: REG.

0101	Yogesh Joshi	Seats (Total: 35)
	Meets October 22, 2014 - December 12, 2014	
	TuTh 3:10pm - 5:00pm	VMH 1518

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Fall 2014

BUMO714 **Competitive and Collaborative Negotiation**

BUMO714 Competitive and Collaborative Negotiation; (2 credits) Grade Method: REG.
Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764. Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

0101	Vijaya Venkataramani **Meets October 22, 2014 - December 12, 2014** MW 10:10am - 12:00pm	Seats (Total: 40) VMH 1520
0201	Vijaya Venkataramani **Meets October 22, 2014 - December 12, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
DC01	Vijaya Venkataramani **Meets October 22, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC06	Vijaya Venkataramani **Meets October 18, 2014 - December 13, 2014** Sa 8:40am - 12:50pm *Meets 10/18, 10/25, 11/1, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 40) DC C2

BUMO725 **Networks and Influence**

BUMO725 Networks and Influence; (2 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

0101	Kathryn Bartol **Meets August 25, 2014 - October 13, 2014** TuTh 3:10pm - 5:00pm	Seats (Total: 35) VMH 2203
GS01	Kathryn Bartol **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 35) BLD2 3032

BUMO732 **Entrepreneurship and New Ventures**

BUMO732 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG.
Credit only granted for: BUMO732 or BUSI660. Formerly: BMGT780. Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

GS01	David Kirsch **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 45) BLD2 3032

BUMO752 **Strategic Growth for Emerging Companies**

BUMO752 Strategic Growth for Emerging Companies; (2 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

DC01	Jonathan Aberman **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 45) DC C2

BUMO756 **Industry Analysis**

BUMO756 Industry Analysis; (2 credits) Grade Method: REG.
Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT792 or BUMO756. Formerly: BMGT792. Conceptual framework and analytical tools for understanding the dynamics of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.

0101	Cristian Dezso **Meets October 22, 2014 - December 12, 2014** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1333
DC01	Cristian Dezso **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 45) DC C2
GS01	Cristian Dezso **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 45) BLD2 3032

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

BA01	Protiti Dastidar **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) BA 103
DC06	Nicole Coomber **Meets August 23, 2014 - October 11, 2014** Sa 8:40am - 12:50pm *Meets 8/23, 8/30, 9/6, 9/20, 9/27, 10/4, Final 10/11.*	Seats (Total: 40) DC C1

BUMO758L **Special Topics in Management and Organization; Leadership Development**

BUMO758L Special Topics in Management and Organization: Leadership Development; (4 credits) Grade Method: REG.

BA01	Carol Graser **Meets August 25, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUMO758M **Special Topics in Management and Organization; Understanding and Managing Organizational Change**

BUMO758M Special Topics in Management and Organization: Understanding and Managing Organizational Change; (4 credits) Grade Method: REG.

DC01	Mary Taylor **Meets August 25, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUMO758Y **Special Topics in Management and Organization; Managing Difficult Employees**

BUMO758Y Special Topics in Management and Organization: Managing Difficult Employees; (2 credits) Grade Method: REG.

DC01	Karin Hurt **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C1

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO761 **Creativity for Business Leaders and Entrepreneurs**

BUMO761 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

DC06	Oliver Schlake **Meets August 23, 2014 - October 11, 2014** Sa 1:40pm - 5:50pm *Meets 8/23, 8/30, 9/6, 9/20, 9/27, 10/4, Final 10/11.*	Seats (Total: 40) DC C2

BUMO767 **Cross-Cultural Communication and Teamwork**

BUMO767 Cross-Cultural Communication and Teamwork; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI667 or BUMO767. Formerly: BUSI667. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

DC01	Nicole Coomber **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUSI Part-Time MBA Program Fall 2014

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rebecca Hann **Meets August 25, 2014 - October 13, 2014** MW 8:00am - 9:50am	Seats (Total: 0) VMH 1505
0201	Rebecca Hann **Meets August 25, 2014 - October 13, 2014** MW 10:10am - 12:00pm	Seats (Total: 0) VMH 1505

0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 8:00am - 9:50am *For MS in Finance students only.*	Seats (Total: 0) VMH 1330
0502	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 10:10am - 12:00pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1330
BA01	Emanuel Zur **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Michael Kimbrough **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Michael Kimbrough **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Michael Kimbrough **Meets October 25, 2014 - December 13, 2014** Sa 8:30am - 1:00pm *Meets 10/25, 11/08, 11/22,12/06,12/13.*	Seats (Total: 0) DC C3
DC51	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

GS01	Gary Bulmash	Seats (Total: 0)
	Meets October 22, 2014 - December 12, 2014	
	W 6:25pm - 10:00pm	BLD2 2032

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0501	Anand Gopal	Seats (Total: 0)
	Meets August 25, 2014 - October 13, 2014	
	MW 6:00pm - 7:50pm	VMH 1335
	For MS in Information Systems students only.	

BUSI622 **Managing Digital Business Markets**

BUSI622 Managing Digital Business Markets; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0501	Sivakumar Viswanathan **Meets August 25, 2014 - October 13, 2014** MW 3:10pm - 5:00pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1520
0502	Sivakumar Viswanathan **Meets August 25, 2014 - October 13, 2014** MW 5:30pm - 7:20pm *For MS in Information Systems studenst only.*	Seats (Total: 0) VMH 1336

BUSI630 **Data, Models and Decisions**

BUSI630 Data, Models and Decisions; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Shreevardhan Lele **Meets August 25, 2014 - December 12, 2014** Tu 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505
0201	Shreevardhan Lele **Meets August 25, 2014 - December 12, 2014** Tu 10:10am - 12:00pm	Seats (Total: 0) VMH 1505

BUSI634 **Operations Management**

BUSI634 Operations Management; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Zhi-Long Chen **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 70) BA 104
DC01	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 55) DC C2
DC02	Yi Xu **Meets August 25, 2014 - October 13, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 55) DC C2
DC06	Yi Xu **Meets August 23, 2014 - October 11, 2014** Sa 8:40am - 12:50pm *Meets 8/23, 8/30, 9/6, 9/20, 9/27, 10/4, Final 10/11.*	Seats (Total: 50) DC C2
GS01	Zhi-Long Chen **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 60) BLD2 2032

BUSI640 Financial Management

BUSI640 *(PermReq)* **Financial Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Faulkender **Meets August 25, 2014 - December 12, 2014** Th 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505
0201	Michael Faulkender **Meets August 25, 2014 - December 12, 2014** Th 10:10am - 12:00pm	Seats (Total: 0) VMH 1505
0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 10:10am - 12:00pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1333
0502	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 1:00pm - 2:50pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1333
DC51	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	David Godes **Meets October 22, 2014 - December 12, 2014** MW 10:10am - 12:00pm	Seats (Total: 0) VMH 1505
0201	David Godes **Meets October 22, 2014 - December 12, 2014** MW 8:00am - 9:50am	Seats (Total: 0) VMH 1505

BUSI662 **Leadership and Teamwork**

BUSI662 *(PermReq)* **Leadership and Teamwork; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

0101	Neta Moye **Meets August 25, 2014 - October 13, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0201	Neta Moye **Meets August 25, 2014 - October 13, 2014** TuTh 8:00am - 9:50am	Seats (Total: 0) VMH 1505

BA01	Gosia Langa **Meets August 25, 2014 - October 13, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Subrahmaniam Tangirala **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Subrahmaniam Tangirala **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Gosia Langa **Meets August 30, 2014 - October 18, 2014** Sa 2:00pm - 6:30pm *Meets 8/30, 9/13, 9/27, 10/11, Final 10/18.*	Seats (Total: 0) DC C3
GS01	Subrahmaniam Tangirala **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI673 **International Economics for Managers**

BUSI673 International Economics for Managers; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

0101	Wilbur Chung **Meets October 22, 2014 - December 12, 2014** MW 3:10pm - 5:00pm	Seats (Total: 35) VMH 1511
DC06	Wilbur Chung **Meets October 18, 2014 - December 13, 2014** Sa 1:40pm - 5:50pm *Meets 10/18, 10/25, 11/1, 11/15, 11/22, 12/6, Final 12/13.*	Seats (Total: 40) DC C2
GS01	Wilbur Chung **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rachelle Sampson **Meets August 25, 2014 - October 13, 2014** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0201	Rachelle Sampson **Meets August 25, 2014 - October 13, 2014** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505

BA01	Robert Windle **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Robert Windle **Meets August 25, 2014 - October 13, 2014** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Rachelle Sampson **Meets August 25, 2014 - October 13, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Jahangir Boroumand **Meets August 30, 2014 - October 18, 2014** Sa 8:30am - 1:00pm *Meets 8/30, 9/13, 9/27, 10/11, Final 10/18.*	Seats (Total: 0) DC C3
GS01	Robert Windle **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI683 **The Global Economic Environment**

BUSI683 The Global Economic Environment; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.

0101	Charles Olson **Meets August 25, 2014 - October 13, 2014** MW 1:00pm - 2:50pm	Seats (Total: 52) VMH 1511

0201	Charles Olson **Meets August 25, 2014 - October 13, 2014** MW 3:10pm - 5:00pm	Seats (Total: 52) VMH 1511
0501	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** M 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1335
0502	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** W 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1335

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analyze and identify profit opportunities and threats in different industry and competitive environments; Analyze and identify a firm's valuable assets, resources and capabilities and how they might be protected, leveraged, and extended in the market; Learn how to organize your company to be the best prepared to adapt its strategy over time as the market environment changes; and how to use organic growth as well as mergers, acquisitions, joint ventures, alliances, and divestitures to ensure that the firm maintians the proper scale and scope to compete effectively over time. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Paulo Prochno **Meets October 22, 2014 - December 12, 2014** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505
0201	Paulo Prochno **Meets October 22, 2014 - December 12, 2014** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505

BA01	Paulo Prochno **Meets October 22, 2014 - December 12, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	David Waguespack **Meets October 22, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	David Waguespack **Meets October 22, 2014 - December 12, 2014** Th 6:25pm - 10:00pm *The Final will be held on Tuesday, December 18.*	Seats (Total: 0) DC C3
DC06	Anil Gupta **Meets October 25, 2014 - December 13, 2014** Sa 2:00pm - 6:30pm *Meets 10/25, 11/8, 11/22, 12/6, Final 12/13.*	Seats (Total: 0) DC C3
GS01	David Waguespack **Meets October 22, 2014 - December 12, 2014** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI758A **Special Topics in Business; Federal Acquisition: Concept and Management**

BUSI758A Special Topics in Business: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG.
Also offered as ENSE698J and PUAF689A.

0101	William Lucyshyn W 4:00pm - 6:40pm	Seats (Total: 22) JMP 2222
CA01	William Lucyshyn W 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA

BUSI758B **Special Topics in Business; Data Models and Decisions**

BUSI758B Special Topics in Business: Data Models and Decisions; (3 credits)

Grade Method: REG.

0501	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** TuTh 8:00am - 9:15am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1511
0502	Instructor: TBA **Meets August 25, 2014 - December 12, 2014** TuTh 9:30am - 10:45am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1511
0503	Sean Barnes **Meets August 25, 2014 - December 12, 2014** TuTh 1:30pm - 2:45pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528

BUSI758C **Special Topics in Business; Operations Management**

BUSI758C Special Topics in Business: Operations Management; (3 credits)

Grade Method: REG.

0501	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** TuTh 10:00am - 12:45pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528

BUSI758F **Special Topics in Business; Experiential Learning Project**
Contact department for information to register for this course.

BUSI758G **Special Topics in Business; Social Venture Consulting Practicum**
Contact department for information to register for this course.

BUSI758I **Special Topics in Business; Global Supply Chain Management**

BUSI758I Special Topics in Business: Global Supply Chain Management; (3 credits) Grade Method: REG.

0501	Thomas Corsi	Seats (Total: 0)
	Meets October 22, 2014 - December 12, 2014	
	TuTh 10:00am - 12:45pm	VMH 1528
	For MS in Supply Chain Management students only.	

BUSI758J **Special Topics in Business; Business Systems Design for Innovation**
Contact department for information to register for this course.

BUSI758N **Special Topics in Business; Strategic Management for NonProfit and Public Organizations**

BUSI758N Special Topics in Business: Strategic Management for NonProfit and Public Organizations; (3 credits) Grade Method: REG.

0101	Robert Sheehan	Seats (Total: 16)
	Meets August 25, 2014 - December 12, 2014	
	W 7:00pm - 9:30pm	VMH 2505

BUSI758Q **Special Topics in Business; Business Problem Solving Practicum**
Contact department for information to register for this course.

BUSI758T **Special Topics in Business; Intellectual Property Seminar for Engineers and Management**

BUSI758T Special Topics in Business: Intellectual Property Seminar for Engineers and Management; (1 credit) Grade Method: REG.

0101	Michael Oblon	Seats (Total: 35)
	Tu 6:00pm - 7:50pm	CSI 2120

BUSI758W **Special Topics in Business; Finance Policy Consulting Practicum**
Contact department for information to register for this course.

BUSI758X **Special Topics in Business; Games of Strategy and Incentives**

BUSI758X Special Topics in Business: Games of Strategy and Incentives; (4 credits) Grade Method: REG.
Click here for more information.

0101	Shreevardhan Lele **Meets August 25, 2014 - December 12, 2014** MW 8:00am - 9:50am	Seats (Total: 55) VMH 1511

BUSI758Y **Special Topics in Business; Tech Venture Builder**
Contact department for information to register for this course.

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (2 credits) Grade Method: REG.
Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

BA01	Peter Morici **Meets October 4, 2014 - October 25, 2014** SaSu 8:30am - 5:50pm *Meets 10/4, 10/5, 10/25.*	Seats (Total: 40) BA 103
DC06	Peter Morici **Meets September 6, 2014 - September 27, 2014** SaSu 8:30am - 5:50pm *Meets 9/6,9/7, 9/27.*	Seats (Total: 40) DC C4

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (2 credits) Grade Method: REG.
Prerequisite: BUSI640; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT740 or BUSI771. Formerly: BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government).

BA01	James Dugan **Meets August 25, 2014 - October 13, 2014** M 6:26pm - 10:00pm	Seats (Total: 40) BA 103
DC01	Jonathan Aberman **Meets August 25, 2014 - October 13, 2014** W 6:25pm - 10:00pm	Seats (Total: 45) DC C1

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

BA01	Instructor: TBA **Meets October 22, 2014 - December 12, 2014** W 6:25pm - 10:00pm	Seats (Total: 45) BA 103

DC01	Instructor: TBA **Meets August 25, 2014 - October 13, 2014** Th 6:25pm - 10:00pm	Seats (Total: 46) DC C2

BUSI788B **Introduction to Global Business Experience; Doing Business in Brazil**

BUSI788B Introduction to Global Business Experience: Doing Business in Brazil; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Spring Break travel courrse (BUSI798B) and spring post-travel course (BUSI788Z). Click here for more course information.

BA01	Paulo Prochno **Meets September 2, 2014 - December 12, 2014** Contact instructor or department for details.	Seats (Total: 34)

BUSI788E **Introduction to Global Business Experience; Doing Business in Europe**

BUSI788E Introduction to Global Business Experience: Doing Business in Europe; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798E) and the Spring post-travel course (BUSI788Z). Click here for more course information.

BA01	Charles Olson **Meets September 2, 2014 - December 12, 2014** Contact instructor or department for details.	Seats (Total: 30)

BUSI788L **Introduction to Global Business Experience; Doing Business in Chile**

BUSI788L Introduction to Global Business Experience: Doing Business in Chile; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered forthe associated Winter travel course (BUSI798L) and the Spring post-travel course (BUSI788Z). Click here for more course information.

BA01	Bennet Zelner **Meets September 2, 2014 - December 12, 2014** Contact instructor or department for details. *By registering for this course you will automatically be registered forthe associated Winter travel course (BUSI798L) and the Spring post-travel course (BUSI788Z).*	Seats (Total: 34)

BUSI788M **Introduction to Global Business Experience; Doing Business in the Middle East**

BUSI788M Introduction to Global Business Experience: Doing Business in the Middle East; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798M) and the Spring post-travel course (BUSI788Z). Click here for more course information.

BA01	Hassan Ibrahim **Meets September 2, 2014 - December 12, 2014** Contact instructor or department for details.	Seats (Total: 28)

BUSI788Y **Introduction to Global Business Experience; Doing Business in Singapore and Japan**

BUSI788Y Introduction to Global Business Experience: Doing Business in Singapore and Japan; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798Y) and the Spring post-travel course (BUSI788Z). Click here for more course information.

BA01	Martin Dresner **Meets September 2, 2014 - December 12, 2014** Contact instructor or department for details.	Seats (Total: 30)

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Fall 2014

CBMG688A **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688A Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Kevin McIver Tu 12:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 20) MCB 2119
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

CBMG688D Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology I - Structure and Function; (2 credits) Grade Method: REG/AUD.

0101	Wenxia Song, Kan Cao **Meets October 20, 2014 - December 12, 2014** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1207

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

CBMG688J Special Topics in Cell Biology and Molecular Genetics: Genetics: Immunology and Host Defense; (2 credits) Grade Method: REG/AUD.

0101	David Mosser, Roy Mariuzza **Meets September 2, 2014 - October 13, 2014** MW 4:00pm - 6:00pm	Seats (Total: 20) MCB 2119

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

CBMG688K Special Topics in Cell Biology and Molecular Genetics: Genetics: Molecular Virology; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano **Meets October 20, 2014 - December 12, 2014** MW 4:00pm - 6:00pm	Seats (Total: 20) HJP 1216

CBMG688M **Special Topics in Cell Biology and Molecular Genetics; Microbial Genetics**

CBMG688M Special Topics in Cell Biology and Molecular Genetics: Microbial Genetics; (2 credits) Grade Method: REG.

0101	Vincent Lee, Richard Stewart **Meets October 19, 2014 - December 14, 2014** MW 8:00am - 10:00am	Seats (Total: 20) MCB 2119

CBMG688N **Special Topics in Cell Biology and Molecular Genetics; Write Science using the Movies**

CBMG688N *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Write Science using the Movies; (2 credits)** Grade Method: REG/AUD. Prerequisite: permission of department.

0101	Antony Jose **Meets September 2, 2014 - October 26, 2014** TuTh 4:00pm - 6:00pm	Seats (Total: 12) MCB 1123

CBMG688P **Special Topics in Cell Biology and Molecular Genetics; Programming for Biology**

CBMG688P Special Topics in Cell Biology and Molecular Genetics: Programming for Biology; (2 credits) Grade Method: REG/AUD.

0101	Najib El-Sayed, Stephen Mount **Meets October 20, 2014 - December 12, 2014** MW 2:00pm - 3:50pm	Seats (Total: 12) MCB 2119

CBMG688V **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688V Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Daniel Perez F 3:00pm - 5:00pm	Seats (Total: 20) MCB 1207

CBMG688W **Special Topics in Cell Biology and Molecular Genetics; Principles of Microscopy**

CBMG688W Special Topics in Cell Biology and Molecular Genetics: Principles of Microscopy; (2 credits) Grade Method: REG/AUD.

0101	Stephen Wolniak MW 8:00am - 9:00am	Seats (Total: 10) HJP 1216

CBMG688Y **Special Topics in Cell Biology and Molecular Genetics; Bioinformatics and Genomics**

CBMG688Y Special Topics in Cell Biology and Molecular Genetics: Bioinformatics and Genomics; (2 credits) Grade Method: REG/AUD.

0101	Najib El-Sayed, Michael Cummings **Meets September 2, 2014 - October 17, 2014** TuTh 9:00am - 10:50am	Seats (Total: 30) BPS 1236

CBMG688Z **Special Topics in Cell Biology and Molecular Genetics; Genetics: Teaching Science**

CBMG688Z Special Topics in Cell Biology and Molecular Genetics: Genetics: Teaching Science; (1 credit) Grade Method: REG/AUD.

0101	Michelle Brooks Tu 6:00pm - 8:00pm	Seats (Total: 30) BPS 1208

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Contact instructor or department for details.	

CBMG699J **Special Problems in Cell Biology and Molecular Genetics; Structure-Function**

CBMG699J Special Problems in Cell Biology and Molecular Genetics: Structure-Function; (1 credit) Grade Method: REG/AUD.

0101	Scott Walsh	Seats (Total: 15)
	F 3:00pm - 4:00pm	Location: TBA

CBMG699K **Special Problems in Cell Biology and Molecular Genetics; Biological Sciences Teaching and Learning in Higher Education**

CBMG699K *(PermReq)* **Special Problems in Cell Biology and Molecular Genetics: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as BIOL608K, CHEM608K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Contact instructor or department for details.	

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser F 9:00am - 10:30am	Seats (Total: 20) MCB 2119

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology Journal Club; (1 credit) Grade Method: REG/AUD.

0101	Heven Sze M 12:00pm - 1:00pm	Seats (Total: 20) HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 20) MCB 1121

CBMG789 **Seminar in Cell Biology and Molecular Genetics**

CBMG789 Seminar in Cell Biology and Molecular Genetics; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano F 12:00pm - 2:00pm	Seats (Total: 20) PLS 1164

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2014

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Justine Madoo MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 32) SKN 0200 ASY 3211	Discussion
0102	Justine Madoo MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0103	Justine Madoo MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0104	Justine Madoo MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 LEF 1220	Discussion

0105	Justine Madoo MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0106	Justine Madoo MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 32) SKN 0200 LEF 1220	Discussion
0107	Justine Madoo MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0108	Justine Madoo MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 LEF 1201	Discussion
0201	Justine Madoo TuTh 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) LEF 2205 LEF 1220	Discussion
0202	Justine Madoo TuTh 3:00pm - 3:50pm Tu 8:30am - 9:20am	Seats (Total: 30) LEF 2205 TYD 2110	Discussion
0203	Justine Madoo TuTh 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 LEF 1220	Discussion
0204	Justine Madoo TuTh 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 WDS 1114	Discussion
0205	Instructor: TBA TuTh 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 30) LEF 2205 SQH 2120	Discussion
0206	Instructor: TBA TuTh 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 SQH 1101	Discussion

0207	Instructor: TBA TuTh 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 LEF 1220	 Discussion
0208	Instructor: TBA TuTh 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 LEF 2208	 Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Jean McGloin MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 35) SKN 0200 LEF 1201	 Discussion
0102	Jean McGloin MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 35) SKN 0200 LEF 1220	 Discussion
0103	Jean McGloin MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 LEF 2208	 Discussion
0104	Jean McGloin MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 35) SKN 0200 SQH 2117	 Discussion
0105	Instructor: TBA MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 35) SKN 0200 LEF 1201	 Discussion
0106	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 35) SKN 0200 LEF 1201	 Discussion

0107	Instructor: TBA MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 LEF 2208	Discussion
0108	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 35) SKN 0200 LEF 1220	Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 35) SKN 0200 SQH 1101	Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 35) SKN 0200 LEF 1220	Discussion
0203	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 LEF 2208	Discussion
0204	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 COL 0100	Discussion
0205	Instructor: TBA TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 35) SKN 0200 EDU 1107	Discussion
0206	Instructor: TBA TuTh 12:30pm - 1:20pm Th 8:30am - 9:20am	Seats (Total: 35) SKN 0200 LEF 1220	Discussion
0207	Instructor: TBA TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 SQH 2122	Discussion
0208	Instructor: TBA TuTh 12:30pm - 1:20pm Th 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 SQH 2122	Discussion

FC01	Nicole Jackson MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 0125	
FC02	Kathleen Frey MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 21) KEY 0123	

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0201	Instructor: TBA TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 TYD 2109	Discussion
0202	Instructor: TBA TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 COL 0113	Discussion
0203	Instructor: TBA TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) SKN 0200 TYD 2111	Discussion
0204	Instructor: TBA TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 LEF 2208	Discussion

0205	Instructor: TBA TuTh 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 30) SKN 0200 EDU 2119	 Discussion
0206	Instructor: TBA TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 LEF 2208	 Discussion

CCJS225 **Reactions to Violence**

CCJS225 Reactions to Violence; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weakness of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

0101	Laura Dugan MW 12:30pm - 1:45pm	Seats (Total: 60) TYD 0102

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Cortney Fisher, Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 100) SQH 1120
0201	Russell Hamill W 4:00pm - 6:30pm	Seats (Total: 100) KEY 0106

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem Th 6:00pm - 8:30pm	Seats (Total: 100) TYD 0117

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201). Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) LEF 2166
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) LEF 2166
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100
SG91	Wendy Stickle MW 9:30am - 10:45am *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 2206

CCJS310 **Criminal Investigations**

CCJS310 *(PermReq)* **Criminal Investigations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques. This section meets at Universities at Shady Grove.

SG91	Charles Jordan MW 9:30am - 10:45am	Seats (Total: 40) BLD3 3240	
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		
SG92	Shawn Eastman TuTh 9:30am - 10:45am	Seats (Total: 40) BLD3 3219	
	Restricted to CCJS students at Shady Grove.		

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. This class is taught using a "blended learning" format divided equally with presentation of online recorded lectures, case studies, webcasts and readings; and practical examination of criminalistics procedures and evidence identification exercises in the CCJS Crime Laboratory. There are lab fees associated with this course.

BL01	Thomas Mauriello Class time/details on ELMs M 12:00pm - 2:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab
BL02	Thomas Mauriello Class time/details on ELMs M 3:00pm - 5:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab

BL03	Thomas Mauriello Class time/details on ELMs M 6:00pm - 8:00pm	Seats (Total: 24) ONLINE MMH 2401	 Lab

CCJS325 **Slavery in the Twenty First Century: Combating Human Trafficking**

CCJS325 Slavery in the Twenty First Century: Combating Human Trafficking; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: CCJS325 or CCJS498R. Formerly: CCJS498R. The trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

0101	Christine Roberts White, Wendy Stickle W 1:00pm - 3:30pm	Seats (Total: 60) SQH 1119

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0101	Nadine Frederique MW 3:30pm - 4:45pm	Seats (Total: 75) ASY 1213

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Christine Roberts White, Vered Krasna MWF 12:00pm - 12:50pm	Seats (Total: 75) TYD 2106

CCJS340 **Policing**

CCJS340 *(PermReq)* **Policing; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.* Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 100) TYD 0117
0201	David Mitchell TuTh 2:00pm - 3:15pm	Seats (Total: 75) SQH 1120
SG91	Nicole Romeiser MW 12:30pm - 1:45pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 50) BLD3 3219

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Christine Roberts White, Wendy Stickle Class time/details on ELMs	Seats (Total: 100) ONLINE
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 100) SHM 2102
SG91	Robin Shusko W 11:00am - 12:15pm Class time/details on ELMs *Restricted to CCJS students at Shady Grove.*	Seats (Total: 50) BLD3 3219 ONLINE

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Alan Lehman	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	BPS 1250

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**
Contact department for information to register for this course.

CCJS358E **Special Topics in Study Abroad III; Drugs and Drug Prevention in Central Europe**
Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS105.* Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher	Seats (Total: 50)
	W 5:00pm - 7:30pm	TYD 0102

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS388H **Independent Reading Course in Criminology and Criminal Justice**

CCJS388H *(PermReq)* **Independent Reading Course in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Loughran M 4:00pm - 6:45pm	Seats (Total: 20) KEY 0119

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Loughran W 4:00pm - 6:45pm	Seats (Total: 20) KEY 1117

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS418B **Seminar in Criminology and Criminal Justice; Cyber Crime**

CCJS418B *(PermReq)* **Seminar in Criminology and Criminal Justice: Cyber Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105.

0101	David Maimon	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1105

CCJS432 **Law of Corrections**

CCJS432 Law of Corrections; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100, CCJS105, CCJS230, and CCJS300. A review of the law of criminal corrections from sentencing to final release or release on parole. Probation, punishments, special treatments for special offenders, parole and pardon, and the prisoner's civil rights are also examined.

SG91	Michael Subin	Seats (Total: 40)
	MW 11:00am - 12:15pm	BLD3 2206
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 Advanced Law Enforcement Administration; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

SG91	Luther Reynolds, David Gillespie	Seats (Total: 40)
	MW 9:30am - 10:45am	BLD3 2225
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Methods and programs in prevention of crime and delinquency.

0101	Kiminori Nakamura TuTh 12:30pm - 1:45pm	Seats (Total: 50) ARC 1101

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Processes and methods used to modify criminal and delinquent behavior.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 50) BPS 1243
0201	Dawn Daggett Class time/details on ELMs	Seats (Total: 50) ONLINE

CCJS453 **White Collar and Organized Crime**

CCJS453 White Collar and Organized Crime; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300; and (CCJS350 or CCJS105). Definition, detection, prosecution, sentencing and impact of white collar and organized crime. Special consideration given to the role of federal law and enforcement practices.

SG91	Ryan Cotter Tu 2:00pm - 4:30pm	Seats (Total: 40) BLD3 2225
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS350, CCJS300, and CCJS105. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Maimon TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 2106

CCJS461 **Psychology of Criminal Behavior**

CCJS461 *(PermReq)* **Psychology of Criminal Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105; or students who have taken courses with comparable content may contact the department. And CCJS300. Biological, environmental, and personality factors which influence criminal behaviors. Biophysiology and crime, stress and crime, maladjustment patterns, psychoses, personality disorders, aggression and violent crime, sex-motivated crime and sexual deviations, alcohol and drug abuse, and criminal behavior.

0101	David Bierie Th 4:00pm - 6:30pm	Seats (Total: 50) TYD 2109

CCJS489H **Honors Thesis Research**

CCJS489H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG.

0101	Thomas Loughran W 4:00pm - 6:45pm	Seats (Total: 20) KEY 1117

CCJS498E **Selected Topics in Criminology and Criminal Justice; The Social Construction of Homicide**

CCJS498E Selected Topics in Criminology and Criminal Justice: The Social Construction of Homicide; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Thomas Alexander	Seats (Total: 40)
	Tu 11:00am - 1:30pm	BLD3 4220
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

CCJS498J **Selected Topics in Criminology and Criminal Justice; Sexual Deviance and Crime**

CCJS498J Selected Topics in Criminology and Criminal Justice: Sexual Deviance and Crime; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Rebecca Morse	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 2225
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

CCJS498K **Selected Topics in Criminology and Criminal Justice; Child Abuse Investigations**

CCJS498K Selected Topics in Criminology and Criminal Justice: Child Abuse Investigations; (3 credits) Grade Method: REG/P-F/AUD.
Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.

SG91	louis Morlier	Seats (Total: 40)
	Tu 6:30pm - 9:00pm	BLD3 4226

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Nicole Romeiser	Seats (Total: 30)
	W 8:00am - 10:50am	BLD3 4203

CCJS600 **Criminal Justice**

CCJS600 Criminal Justice; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600. Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	LEF 1201

CCJS601 **Policing**
Contact department for information to register for this course.

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS605 **Program Evaluation for Criminal Justice**
Contact department for information to register for this course.

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS620 **Fundamentals of Criminological Research**

CCJS620 Fundamentals of Criminological Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: CCJS498D or CCJS620. Formerly: CCJS498D. Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Laura Dugan	Seats (Total: 35)
	Th 4:00pm - 6:45pm	KEY 0116

CCJS653 **Seminar in Corrections**

CCJS653 Seminar in Corrections; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS651; or students who have taken courses with comparable content may contact the department. Formerly: CRIM653. Development, operation and future of correctional systems.

0101	Kiminori Nakamura	Seats (Total: 15)
	M 4:00pm - 6:45pm	KEY 0103

CCJS661 **Crime and the Life Course**

CCJS661 *(PermReq)* **Crime and the Life Course; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: CCJS699J or CCJS661. Formerly: CCJS699J. Designed to provide an intensive examination of crime and the life course. Life course is examined as a theoretical orientation, a research methodology, and an empirical field of study with special reference to crime and deviance. Course includes development of criminal behavior and criminal careers; stability and change in criminal behavior across developmental stages; trajectories, transitions, and turning points through life; quantitative and qualitative approaches to studying crime and the life course; and social change and its link to individual lives.

0101	John Laub Tu 4:00pm - 6:45pm	Seats (Total: 20) LEF 2165E

CCJS678E **Advanced Topics in Criminology and Criminal Justice; Criminal Procedure Law**
Contact department for information to register for this course.

CCJS678F **Advanced Topics in Criminology and Criminal Justice; Criminal Law**
Contact department for information to register for this course.

CCJS678J **Advanced Topics in Criminology and Criminal Justice; Jurisprudence**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699C **Special Criminological Problems; Criminal Victimization**

CCJS699C Special Criminological Problems: Criminal Victimization; (3 credits) Grade Method: REG/AUD.

0101	Min Xie M 4:00pm - 6:45pm	Seats (Total: 15) LEF 1220

CCJS710 **Advanced Research Methods in Criminology**

CCJS710 Advanced Research Methods in Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed an approved doctoral level statistics course. Formerly: CRIM710. Application of advanced research methods and data analysis strategies to criminological and criminal justice problems.

0101	Thomas Loughran Th 2:30pm - 5:15pm	Seats (Total: 15) LEF 1222

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Fall 2014

CHBE250 **Computer Methods in Chemical Engineering**

CHBE250 *(PermReq)* **Computer Methods in Chemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250. Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Instructor: TBA	Seats (Total: 70)	
	MWF 11:00am - 11:50am	JMP 3201	
	F 12:00pm - 12:50pm	JMP 3201	Discussion

CHBE301 **Chemical and Biomolecular Engineering Thermodynamics I**

CHBE301 *(PermReq)* **Chemical and Biomolecular Engineering Thermodynamics I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300. Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0101	Chunsheng Wang TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 80) ARM 0135 KEB 1110	 Discussion

CHBE333 **Chemical Engineering Seminar**

CHBE333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333. To develop oral communication skills through a series of class presentations of current chemical engineering topics.

0101	Sheryl Ehrman W 12:00pm - 12:50pm	Seats (Total: 15) CHE 2116
0102	Kyu Yong Choi W 3:00pm - 3:50pm	Seats (Total: 15) CHE 2116
0103	Panagiotis Dimitrakopoulos M 1:00pm - 1:50pm	Seats (Total: 15) CHE 2136

CHBE410 **Statistics and Design of Experiments**

CHBE410 *(PermReq)* **Statistics and Design of Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE250. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE410 or ENCH476. Formerly: ENCH476. An introduction to probability, statistics, and design of experiments for chemical engineers.

0101	Jeffery Klauda	Seats (Total: 100)	
	MW 3:30pm - 4:45pm	CHE 2108	

CHBE422 **Chemical and Biomolecular Engineering Transport Phenomena I**

CHBE422 *(PermReq)* **Chemical and Biomolecular Engineering Transport Phenomena I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101 and CHBE250; and must have completed or be concurrently enrolled in MATH241 and MATH246. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE422 or ENCH422. Formerly: ENCH422. Principals of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Richard Calabrese	Seats (Total: 95)	
	TuTh 2:00pm - 3:15pm	CHE 2108	
	F 3:00pm - 3:50pm	CHE 2110	Discussion

CHBE437 **Chemical and Biomolecular Engineering Laboratory**

CHBE437 *(PermReq)* **Chemical and Biomolecular Engineering Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437. Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.

0101	Audaldo Ponce, Amy Karlsson	Seats (Total: 24)	
	Th 12:30pm - 4:30pm	CHE 1145	Lab
	Th 10:00am - 10:50am	CHE 2145	Discussion
0201	Audaldo Ponce, Amy Karlsson	Seats (Total: 24)	
	Tu 12:30pm - 4:30pm	CHE 1145	Lab
	Tu 10:00am - 10:50am	CHE 2145	Discussion
0301	Audaldo Ponce, Amy Karlsson	Seats (Total: 24)	
	M 1:00pm - 5:00pm	CHE 1145	Lab
	M 10:00am - 10:50am	CHE 2136	Discussion

CHBE440 **Chemical Kinetics and Reactor Design**

CHBE440 *(PermReq)* **Chemical Kinetics and Reactor Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE301. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE440 or ENCH440. Formerly: ENCH440. Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Instructor: TBA	Seats (Total: 90)	
	MWF 2:00pm - 2:50pm	CHE 2110	
	W 1:00pm - 1:50pm	CHE 2110	Discussion

CHBE442 **Chemical and Biomolecular Systems Analysis**

CHBE442 *(PermReq)* **Chemical and Biomolecular Systems Analysis; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: CHBE424 and CHBE426. Credit only granted for: CHBE442 or ENCH442. Formerly: ENCH442. Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.

0101	Kyu Yong Choi	Seats (Total: 77)	
	MWF 12:00pm - 12:50pm	CHE 2108	
	F 10:00am - 10:50am	JMP 3201	Discussion

CHBE444 **Process Engineering Economics and Design I**

CHBE444 *(PermReq)* **Process Engineering Economics and Design I; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE444 or ENCH444. Formerly: ENCH444. Principles of chemical engineering economics and process design. Equipment sizing and costing. Economic evaluation of projects. Flowsheet synthesis. Introduction to flowsheet simulators and concepts of flowsheet optimization. Synthesis of Heat Exchanger Networks and Distillation Sequences.

0101	Sheryl Ehrman	Seats (Total: 76)	
	MWF 9:00am - 9:50am	CHE 2108	
	W 10:00am - 10:50am	CHE 2108	Discussion

CHBE451 **Photovoltaics: Solar Energy**

CHBE451 *(PermReq)* **Photovoltaics: Solar Energy; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468L or CHBE451. Formerly: ENCH468L. The emphasis of the class is on developing a conceptual understanding of the device physics and manufacturing processes of crystalline and thin-film photovoltaic cells, and to develop elementary computational skills necessary to quantify solar cell efficiency. The class material includes detailed, system-level energy balances necessary to understand how solar energy fits into the complete energy generation, conversion, and storage picture. Quantitative comparisons of PV technology to solar chemical conversion processes and biofuels are made.

0101	Raymond Adomaitis	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMP 2216

CHBE468 **Research**

CHBE468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE481 **Transport Phenomena in Small and Biological Systems**

CHBE481 *(PermReq)* **Transport Phenomena in Small and Biological Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468W or CHBE481. Formerly: ENCH468W.
Interdisciplinary course primarily for senior undergraduate and graduate students from engineering or science departments. The course's main goal is to make the students familiar with the fundamental physics and modeling of transport phenomena in small and biological systems, and their current scientific and engineering utilization in microfluidics, nanofluidics and biological systems.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 30)
	MWF 11:00am - 11:50am	CHM 0119

CHBE484 **Metabolic Pathway Engineering**

CHBE484 *(PermReq)* **Metabolic Pathway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101 and CHBE440. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468M or CHBE484. Formerly: ENCH468M. The state-of-the-art in metabolic engineering, with a focus on the analysis and engineering of metabolic pathways through (chemical) engineering principles, will be covered. Topics covered include: (1) overview of biochemistry and metabolism; (2) metabolic flux analysis and isotope labeling illustrated with examples from the recent scientific literature; (3) technologies for engineering metabolic pathways; (4) metabolic control analysis and pathway regulation; (5) applications of metabolic engineering to synthesis of biofuels and therapeutics; (6) specialized and related subjects such as protein engineering and synthetic biology.

0101	Ganesh Sriram	Seats (Total: 30)
	MW 5:00pm - 6:15pm	CHE 2136

CHBE486 **Heterogeneous Catalysis for Energy Applications**

CHBE486 Heterogeneous Catalysis for Energy Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHBE302, CHBE424, and CHBE440; and permission of instructor. Credit only granted for: CHBE486 or ENCH686. Introduction to heterogeneous catalytic science and technology for energy conversion and hydocarbon processing. Preparation and mechanistic characterization of catalyst systems, kinetics of catalyzed reactions, adsorption and diffusion influences in heterogenious reactions. An overview of heterogeneous catalysis in various energy-related applications, including petroleum refining, chemicals from biomass, valorization of shale gas, and CO2 utilization will be introduced.

0101	Dongxia Liu	Seats (Total: 40)
	TuTh 5:00pm - 6:15pm	CSI 2107

CHEM Chemistry Fall 2014

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to students admitted into the Science in the Evening Program, administer ed through the Office of Extended Studies. For complete information, visit:OES website , email:oes@umd.edu, or call 301-405-7762.

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors. Students without the math pre-requisite will be administratively dropped.

1121	Bryan Eichhorn MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 0122	 Discussion
1122	Bryan Eichhorn MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0122	 Discussion
1125	Bryan Eichhorn MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1141	Bryan Eichhorn MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 0128	 Discussion
1142	Bryan Eichhorn MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0122	 Discussion

1145	Bryan Eichhorn MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0122	 Discussion
1221	Bryan Eichhorn MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1222	Bryan Eichhorn MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1224	Bryan Eichhorn MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1242	Bryan Eichhorn MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1245	Bryan Eichhorn MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0128	 Discussion
1247	Bryan Eichhorn MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0128	 Discussion
1325	Bonnie Dixon MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0128	 Discussion
1327	Bonnie Dixon MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0128	 Discussion
1328	Bonnie Dixon MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 32) CHM 1407 CHM 0128	 Discussion

1345	Bonnie Dixon MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1347	Bonnie Dixon MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1348	Bonnie Dixon MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 32) CHM 1407 CHM 0127	 Discussion
1525	Frederick Khachik MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
1527	Frederick Khachik MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
1528	Frederick Khachik MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 1224	 Discussion
1545	Frederick Khachik MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
1547	Frederick Khachik MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
1548	Frederick Khachik MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 32) CHM 1407 CHM 0122	 Discussion
FC01	Bonnie Dixon TuTh 4:30pm - 5:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1407 CHM 0127	 Discussion

FC02	Bonnie Dixon TuTh 4:30pm - 5:45pm F 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 CHM 0127	 Discussion
	Restricted to students in Freshmen Connection.		
FC03	Bonnie Dixon TuTh 4:30pm - 5:45pm F 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 CHM 0127	 Discussion
	Restricted to students in Freshmen Connection.		
SEF1	Michelle Brooks M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 24) PLS 1115 CHM 0122	 Discussion
	Restricted to students in the SIE Program. Click here for more information.		

CHEM131S **Chemistry I - Fundamentals of General Chemistry**

CHEM131S Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors. Students without the math pre-requisite will be administratively dropped . Restricted to College Park Scholars - Life Sciences.

1141	Bryan Eichhorn MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 19) CHM 1407 CHM 0128	 Discussion
1247	Bryan Eichhorn MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 19) CHM 1407 CHM 0128	 Discussion

1327	Bonnie Dixon MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 19) CHM 1407 CHM 0128	 Discussion
1528	Frederick Khachik MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 19) CHM 1407 CHM 1224	 Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG. *Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.* Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee.

1123	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	 Lab
1131	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1141	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	 Lab
1221	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	 Lab
1223	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	 Lab
1234	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	 Lab
1243	Instructor: TBA Tu 6:30pm - 8:20pm	Seats (Total: 24) CHM 1110	 Lab

1311	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1321	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1331	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1341	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	Lab
1343	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1111	Lab
1411	Instructor: TBA Th 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1422	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1106	Lab
1423	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab
1433	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab
1436	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	Lab
1522	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1532	Instructor: TBA F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1533	Instructor: TBA F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab

FC01	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1110	Lab
	Restricted to students in Freshmen Connection.		
FC02	Instructor: TBA F 8:00am - 10:50am	Seats (Total: 24) CHM 1106	Lab
	Restricted to students in Freshmen Connection.		
FC03	Instructor: TBA F 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
	Restricted to students in Freshmen Connection.		
FC04	Instructor: TBA F 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
	Restricted to students in Freshmen Connection.		
SEF1	Instructor: TBA W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1110	Lab
	Restricted to students in the SIE Program. Click here for more information.		

CHEM132C **General Chemistry I Laboratory**

CHEM132C General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103. Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Restricted to new freshmen and new transfer students in Biological Scien ce, Chemistry or Biochemistry.

1121	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1133	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab

1135	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	Lab
1213	Instructor: TBA Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
1231	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1421	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1432	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1434	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1521	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab

CHEM132S **General Chemistry I Laboratory**

CHEM132S General Chemistry I Laboratory; (1 credit) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103. Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee. Restricted to College Park Scholars - Life Sciences.

1211	Instructor: TBA Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1233	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab

1431	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering. This course is currently restricted to incoming freshmen and transfer students; returning students will be placed on the hold file.

3125	Andrei Vedernikov TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion
3126	Andrei Vedernikov TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 39) CHM 1407 CHM 0128	Discussion
3127	Andrei Vedernikov TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion
3128	Andrei Vedernikov TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion
3141	Andrei Vedernikov TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 39) CHM 1407 CHM 0128	Discussion
3145	Andrei Vedernikov TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion
3147	Andrei Vedernikov TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion

3148	Andrei Vedernikov TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	Discussion
3225	Monique Koppel MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3226	Monique Koppel MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 45) BRB 1101 CHM 0119	Discussion
3227	Monique Koppel MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3228	Monique Koppel MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3241	Monique Koppel MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 45) BRB 1101 CHM 0119	Discussion
3245	Monique Koppel MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3247	Monique Koppel MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3248	Monique Koppel MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3325	Monique Koppel MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion

3326	Monique Koppel MWF 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 45) BRB 1101 CSI 2107	Discussion
3327	Monique Koppel MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion
3328	Monique Koppel MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion
3341	Monique Koppel MWF 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 45) BRB 1101 CSI 2107	Discussion
3345	Monique Koppel MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion
3347	Monique Koppel MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion
3348	Monique Koppel MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 0115	Discussion
FC01	Natalia White TuTh 4:30pm - 5:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 42) CHM 1402 CHE 2136	Discussion
FC02	Natalia White TuTh 4:30pm - 5:45pm F 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 42) CHM 1402 CHM 0119	Discussion

FC03	Natalia White TuTh 4:30pm - 5:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 42) CHM 1402 CHM 0115	 Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.
Prerequisite: Must have completed or be concurrently enrolled in CHEM135. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. There is a $40.00 lab fee for this course.

0113	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	 Lab
0114	Natalia White M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1111	 Lab
0122	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	 Lab
0133	Natalia White W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	 Lab
0142	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	 Lab

CHEM146 **Principles of General Chemistry**

CHEM146 Principles of General Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Must have math eligibility of MATH140 or higher. Corequisite: CHEM147. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143, or CHEM146. Formerly: CHEM143. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	John Fourkas MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 22) CHM 1228 CHM 0119	 Discussion
0033	John Fourkas MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 22) CHM 1228 CHM 0119	 Discussion

CHEM177 **Introduction to Laboratory Practices and Research in the Chemical Sciences**

CHEM177 Introduction to Laboratory Practices and Research in the Chemical Sciences; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM146, CHEM131, or CHEM135. Restriction: Must be in a major within CMNS-Chemistry & Biochemistry department; or permission of CMNS-Chemistry & Biochemistry department. Credit only granted for: CHEM132, CHEM136, CHEM147, or CHEM177. First semester laboratory course required for CHEM and BCHM majors. Introduction to laboratory techniques, including safety practices, scientific ethics, and presentation of current research topics.

0111	Earle Stone F 2:00pm - 2:50pm M 12:00pm - 2:50pm	Seats (Total: 19) CHM 1402 CHM 1106	 Lab
0112	Earle Stone F 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1402 CHM 1106	 Lab
0120	Earle Stone F 2:00pm - 2:50pm Tu 8:00am - 10:50am	Seats (Total: 19) CHM 1402 CHM 1106	 Lab
0121	Earle Stone F 2:00pm - 2:50pm Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1402 CHM 1106	 Lab
0132	Earle Stone F 2:00pm - 2:50pm W 12:00pm - 2:50pm	Seats (Total: 19) CHM 1402 CHM 1106	 Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Bonnie Dixon MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5127	Bonnie Dixon MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5128	Bonnie Dixon MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5145	Bonnie Dixon MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5147	Bonnie Dixon MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5148	Bonnie Dixon MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5215	Lee Friedman MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 HBK 0115	Discussion
5216	Lee Friedman MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHE 2136	Discussion

5217	Lee Friedman MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5235	Lee Friedman MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 JMP 2202	Discussion
5236	Lee Friedman MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHE 2136	Discussion
5237	Lee Friedman MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5315	Joseph Houck TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5316	Joseph Houck TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5317	Joseph Houck TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5335	Joseph Houck TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5336	Joseph Houck TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion
5337	Joseph Houck TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0119	Discussion

SEF1	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 36) CHM 1402 CHM 1224	 Discussion
	Restricted to students in the SIE Program. Click here for more information.		
SEF2	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 36) CHM 1402 CHM 1228	 Discussion
	Restricted to students in the SIE Program. Click here for more information.		

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography. Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $40.00 laboratory materials fee.

5122	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	 Lab
5123	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5124	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	 Lab
5131	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	 Lab
5132	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	 Lab
5133	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	 Lab

5134	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5141	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5143	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5211	Instructor: TBA Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5214	Frederick Khachik Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
5223	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5224	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5231	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5232	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5233	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5241	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
5321	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5322	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5323	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab

5331	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5332	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5333	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5334	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5341	Frederick Khachik W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5412	Frederick Khachik Th 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
5422	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5423	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5431	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5432	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5433	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5434	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5521	Frederick Khachik F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5522	Frederick Khachik F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab

5534	Instructor: TBA F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
SEF1	Frederick Khachik W 7:30pm - 10:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 18) CHM 1346	Lab
SEF2	Frederick Khachik W 7:30pm - 10:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 18) CHM 1342	Lab

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Lyle Isaacs TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion
6116	Lyle Isaacs TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion
6117	Lyle Isaacs TuTh 8:00am - 9:15am M 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion
6135	Lyle Isaacs TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion
6136	Lyle Isaacs TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion

6137	Lyle Isaacs TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0128	Discussion
6215	Michael Montague-Smith TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6216	Michael Montague-Smith TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6217	Michael Montague-Smith TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6235	Michael Montague-Smith TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6236	Michael Montague-Smith TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6237	Michael Montague-Smith TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 2201	Discussion
6415	Michael Doyle TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 0127	Discussion
6416	Michael Doyle TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 0127	Discussion
6417	Michael Doyle TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0127	Discussion

6435	Michael Doyle TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 34) CHM 1407 CHM 0127	 Discussion
6436	Michael Doyle TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 34) CHM 1407 CHM 0127	 Discussion
6437	Michael Doyle TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0127	 Discussion
SEF1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 25) PLS 1140 CHM 0124	 Discussion

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 laboratory materials fee.

6121	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	 Lab
6122	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	 Lab
6123	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	 Lab
6131	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	 Lab

6132	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6141	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6143	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	Lab
6211	Lee Friedman Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6222	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6224	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6231	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6232	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6234	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6241	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1302	Lab
6314	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6322	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6324	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab

6331	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6332	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 14) CHM 1308	Lab
6333	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6334	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6421	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6422	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6424	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6431	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6432	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6434	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6522	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6524	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6533	Lee Friedman F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab

SEF1	Lee Friedman	Seats (Total: 18)	
	W 7:30pm - 10:30pm	CHM 1308	Lab
	Restricted to students in the SIE Program. Click here for more information.		

CHEM247 **Principles of Organic Chemistry II**

CHEM247 Principles of Organic Chemistry II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM237; or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be an honors student. Credit only granted for: CHEM243 or CHEM247. A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules. Students must pay a $40.00 laboratory materials fee.

6113	Lawrence Sita	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	M 3:00pm - 5:50pm	CHM 1326	Lab
	Tu 12:30pm - 1:20pm	CHM 0122	Discussion
6243	Lawrence Sita	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	Th 3:30pm - 6:20pm	CHM 1326	Lab
	Tu 9:30am - 10:20am	CHM 0128	Discussion
6323	Lawrence Sita	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	Tu 12:30pm - 3:20pm	CHM 1326	Lab
	Tu 11:00am - 11:50am	CHM 0115	Discussion

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	John Ondov MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 27) HJP 0226 CHM 0124	Discussion
2225	John Ondov MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 27) HJP 0226 CHM 0124	Discussion
2227	John Ondov MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 CHM 0127	Discussion
2242	John Ondov MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) HJP 0226 CHM 0128	Discussion
2245	John Ondov MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) HJP 0226 CHM 0124	Discussion
2247	John Ondov MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 CHM 1224	Discussion
2324	Instructor: TBA MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 27) CHM 1407 CHM 0128	Discussion
2325	Instructor: TBA MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 SYM 0209	Discussion
2327	Instructor: TBA MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 1224	Discussion
2344	Instructor: TBA MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 27) CHM 1407 CHM 0124	Discussion

2345	Instructor: TBA MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 CHM 1224	Discussion
2347	Instructor: TBA MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 0122	Discussion
SEF1	Daniel Gowetski M 6:00pm - 7:50pm W 6:30pm - 7:20pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 20) CHM 1228 CHM 2201	Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

8013	Joseph Houck F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	Lab
8014	Joseph Houck F 11:00am - 11:50am M 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 CHM 1128	Lab
8021	Joseph Houck F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1112	Lab
8022	Joseph Houck F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1128	Lab

8023	Instructor: TBA F 11:00am - 11:50am Tu 3:30pm - 6:20pm	Seats (Total: 24) HJP 0226 CHM 1112	Lab
8024	Joseph Houck F 11:00am - 11:50am Tu 6:30pm - 9:20pm	Seats (Total: 24) HJP 0226 CHM 1112	Lab
8034	Joseph Houck F 11:00am - 11:50am W 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 CHM 1128	Lab
8041	Joseph Houck F 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	Lab
8043	Instructor: TBA F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 24) HJP 0226 CHM 1128	Lab
9012	Joseph Houck F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	Lab
9014	Joseph Houck F 3:00pm - 3:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	Lab
9021	Instructor: TBA F 3:00pm - 3:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	Lab
9023	Joseph Houck F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1128	Lab
9024	Joseph Houck F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	Lab

9031	Instructor: TBA F 3:00pm - 3:50pm W 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
9042	Instructor: TBA F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9051	Instructor: TBA F 3:00pm - 3:50pm F 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
SEF1	Joseph Houck M 8:00pm - 8:50pm W 7:30pm - 10:30pm *Restricted to students in the SIE Program. Click here for more information.*	Seats (Total: 24) CHM 1228 CHM 1112	 Lab

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0232	Joseph Houck M 12:00pm - 12:50pm WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 1228 CHM 1112	 Lab
0234	Joseph Houck M 12:00pm - 12:50pm WF 3:00pm - 5:50pm	Seats (Total: 24) CHM 1228 CHM 1112	 Lab

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

CHEM399X *(PermReq)* **Introduction to Chemical Research: Chemistry Instruction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Montague-Smith	Seats (Total: 8)
	Contact instructor or department for details.	

CHEM403 **Radiochemistry**

CHEM403 Radiochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed one year of college chemistry and one year of college physics. Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	Alice Mignerey MWF 12:00pm - 12:50pm	Seats (Total: 45) CHM 1224	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277). Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Neil Blough MW 10:00am - 10:50am MW 12:00pm - 2:50pm	Seats (Total: 12) CHM 2201 CHM 3228	 Lab
0102	Neil Blough MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 12) CHM 2201 CHM 3228	 Lab
0104	Neil Blough MW 10:00am - 10:50am TuTh 9:30am - 12:20pm	Seats (Total: 12) CHM 2201 CHM 3228	 Lab
0105	Neil Blough MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 12) CHM 2201 CHM 3228	 Lab
0109	Neil Blough MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 12) CHM 2201 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

CHEM441 Advanced Organic Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM481. Also offered as: CHEM641.* An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Daniel Falvey	Seats (Total: 45)
	MWF 8:00am - 8:50am	CHM 1224

CHEM460 **Structure Determination Using Spectroscopic Methods**

CHEM460 Structure Determination Using Spectroscopic Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed CHEM243; or CHEM247; or (CHEM241 and CHEM242). Formerly: CHEM660. The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Herman Sintim	Seats (Total: 40)
	MWF 10:00am - 10:50am	CHM 1224

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM272 and CHEM271; or minimum grade of C- in CHEM276 and CHEM277. And (PHYS142 and MATH141). A course primarily for chemists and chemical engineers.

0101	Amy Mullin	Seats (Total: 116)
	MWF 9:00am - 9:50am	CHM 1402

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM481. A course primarily for chemists and chemical engineers. Prerequisite: CHEM482.

0101	Devarajan Thirumalai	Seats (Total: 57)
	MWF 9:00am - 9:50am	CHM 0115

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 laboratory materials fee.

0114	Instructor: TBA F 3:00pm - 3:50pm M 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0124	Earle Stone F 3:00pm - 3:50pm Tu 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0134	Instructor: TBA F 3:00pm - 3:50pm W 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0144	Earle Stone F 3:00pm - 3:50pm Th 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483; and must have completed or be concurrently enrolled in CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Students must pay a $40.00 laboratory materials fee.

0124	Earle Stone F 11:00am - 11:50am Tu 2:30pm - 5:20pm	Seats (Total: 12) CHM 1224 CHM 3217	 Lab
0134	Earle Stone F 11:00am - 11:50am W 3:00pm - 5:50pm	Seats (Total: 13) CHM 1224 CHM 3217	 Lab

CHEM498G **Special Topics in Chemistry; Bioinformatics and Integrated Genomics**
Contact department for information to register for this course.

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.
Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Efrain Rodriguez	Seats (Total: 20)
	MWF 9:00am - 9:50am	CHM 0122

CHEM608K **Selected Topics in Inorganic Chemistry; Chemistry Teaching and Learning in Higher Education**

CHEM608K *(PermReq)* **Selected Topics in Inorganic Chemistry: Chemistry Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD. Also offered as BIOL608K, CBMG699K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and must be a new graduate student. Covers a wide range of topics in professional development for new graduate students.

0101	Andrei Vedernikov F 2:00pm - 2:50pm	Seats (Total: 35) CHM 1228

CHEM624 **Electrical Methods of Quantitative Analysis**

CHEM624 Electrical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department. The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.

0101	Sangbok Lee TuTh 8:00am - 9:20am	Seats (Total: 30) CHM 1224

CHEM625 **Separation Methods in Quantitative Analysis**

CHEM625 Separation Methods in Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department. The theory and application for quantitative analysis of various forms of chromatography, ion exchange, solvent extraction, distillation, and mass spectroscopy.

0101	Cheng Lee TuTh 12:30pm - 1:45pm	Seats (Total: 15) CHE 2140

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Jeffery Davis F 12:00pm - 12:50pm	Seats (Total: 20) CHM 1228

CHEM641 **Organic Reaction Mechanisms**

CHEM641 Organic Reaction Mechanisms; (3 credits) Grade Method: REG/AUD.
Also offered as: CHEM441.

0101	Daniel Falvey	Seats (Total: 45)
	MWF 8:00am - 8:50am	CHM 1224

CHEM684 **Chemical Thermodynamics**

CHEM684 Chemical Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.

0101	Garegin Papoian	Seats (Total: 29)
	TuTh 11:00am - 12:15pm	CHM 1228

CHEM689B **Special Topics in Physical Chemistry; Interfaces - from Fundamentals to Nanoscience**

CHEM689B Special Topics in Physical Chemistry: Interfaces - from Fundamentals to Nanoscience; (3 credits) Grade Method: REG/AUD.
An introduction to colloid and interface science that focuses on basic concepts (e.g., wetting, the nature of interfaces, forces between colloids, association of colloids, etc) and their implementation in materials and nanoscience will be described.

0101	Zhihong Nie	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PLS 1184

CHEM690 **Quantum Chemistry I**

CHEM690 Quantum Chemistry I; (3 credits) Grade Method: REG/AUD.

0101	YuHuang Wang	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey	Seats (Total: 15)
	F 3:00pm - 4:50pm	CHM 1224

CHEM889C **Seminar; Inorganic**

CHEM889C Seminar: Inorganic; (1 credit) Grade Method: REG/AUD.

0101	Jeffery Davis	Seats (Total: 10)
	F 1:00pm - 1:50pm	CHM 1228

CHEM889D **Seminar; Organic**

CHEM889D Seminar: Organic; (1 credit) Grade Method: REG/AUD.

0101	Jeffery Davis	Seats (Total: 20)
	Th 11:00am - 12:30pm	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM898F and CHPH709A. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM898E and CHPH709A. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889G **Seminar; Physical Organic**

CHEM889G Seminar: Physical Organic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889P **Seminar; Structure and Reactivity of Biopolymers**

CHEM889P Seminar: Structure and Reactivity of Biopolymers; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Fall 2014

CHIN101 **Intensive Elementary Chinese I**

CHIN101 *(PermReq)* **Intensive Elementary Chinese I; (6 credits)** Grade Method: REG.
Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score. Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.

0101	Jungjung Lee-Heitz, Yuli Wang MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 3205 JMZ 2125
0201	Mei Kong, Minglang Zhou MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1117 JMZ 1117
0301	Jungjung Lee-Heitz, Mei Kong MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1117 JMZ 2125

CHIN105 **Elementary Chinese - Accelerated Track**

CHIN105 *(PermReq)* **Elementary Chinese - Accelerated Track; (3 credits)** Grade Method: REG.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN103, CHIN102, or CHIN101. Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.

0101	Mei Kong MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1117

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**
Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**
Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

CHIN201 Intermediate Spoken Chinese I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN102; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 3205
0201	Yuli Wang MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 3205

CHIN202 **Intermediate Written Chinese I**

CHIN202 Intermediate Written Chinese I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN103; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Reading and writing skills with emphasis on grammar and Chinese characters.

0101	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2125
0201	Jungjung Lee-Heitz TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 2125

CHIN203 **Intermediate Spoken Chinese II**
Contact department for information to register for this course.

CHIN269B **Special Topics in Study Abroad II; Chinese Business Issues and Practices**
Contact department for information to register for this course.

CHIN269I **Special Topics in Study Abroad II; Intermediate Spoken Chinese I**
Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese I**
Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**
Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**
Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

CHIN301 *(PermReq)* **Advanced Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors. Readings in expository and fictional writing with conversation and composition.

0101	Guiling Hu MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1215
0201	Guiling Hu MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1215

CHIN305 **Life in China through TV Plays I**

CHIN305 *(PermReq)* **Life in China through TV Plays I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN203 and CHIN204; or permission of ARHU-School of Languages, Literatures, and Cultures department. Using authentic Chinese language material in short TV plays to learn about society and life in China.

0101	Yuli Wang MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2120

CHIN313 **Chinese Poetry and Prose in Translation**
Contact department for information to register for this course.

CHIN316 **Traditional Chinese Values**

CHIN316 Traditional Chinese Values; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Classical Chinese thought and literature in English translation. Discussions will explore what these writings reflect about traditional Chinese ideas on morality and personal values -- how should a person live, and why? What do the main philosophical schools have to say about the question? Taught in English.

0101	Andrew Schonebaum TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 0205

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**
Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**
Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**
Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**
Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**

CHIN401 *(PermReq)* **Readings in Modern Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN302; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors. Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Guiling Hu MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 1224
0201	Guiling Hu MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1224

CHIN411 **Business Chinese I**

CHIN411 *(PermReq)* **Business Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors. Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.

0101	Mei Kong	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 2117

CHIN415 **Readings in Current Newspapers and Periodicals**

CHIN415 *(PermReq)* **Readings in Current Newspapers and Periodicals; (3 credits)** Grade Method: REG.
Prerequisite: CHIN402; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors. Reading of periodical literature on selected topics with discussions and essays in Chinese.

0101	Man Li	Seats (Total: 15)
	MWF 11:00am - 11:50am	WDS 1130

CHIN422 **Chinese Grammar**

CHIN422 *(PermReq)* **Chinese Grammar; (3 credits)** Grade Method: REG.
Prerequisite: CHIN302; or permission of ARHU-School of Languages, Literatures, and Cultures department. Chinese sentence patterns studied and contrasted with English and in terms of current pedagogical as well as linguistic theories. Taught in English and Chinese.

0101	Minglang Zhou	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 1117

CHIN441 **Traditional Chinese Fiction**

CHIN441 *(PermReq)* **Traditional Chinese Fiction; (3 credits)** Grade Method: REG. *Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department.* Major works of fiction from the 4th century tales of the marvelous through the 19th century Qing novel. Readings are in classical Chinese and English. Designed for students with advanced language skills. Taught in English.

0101	Andrew Schonebaum	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1215

CHIN499 **Directed Study in Chinese**

CHIN499 *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2014

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM898E and CHEM898F. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS709.

0101	John Weeks	Seats (Total: 30)
	Tu 1:15pm - 2:30pm	IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Fall 2014

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**
Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. *Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.* An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion
0102	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 HBK 1112	Discussion
0103	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 KEY 0119	Discussion
0104	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 1122	Discussion
0105	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 KEY 0119	Discussion
0106	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 TYD 2102	Discussion
0107	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 TYD 2102	Discussion
0108	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion

0201	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 ASY 3207	Discussion
0202	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 KEY 0120	Discussion
0203	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 HBK 1108	Discussion
0204	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 KEY 0120	Discussion
0205	Lillian Doherty MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 SQH 1107	Discussion
0206	Lillian Doherty MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 SQH 1107	Discussion
0207	Lillian Doherty MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 HBK 1108	Discussion
FC01	Rian Sirkus TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CHM 1228	
FC02	Rian Sirkus TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) EGR 0110	
FC03	Rachel Mullervy MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MMH 0108	

FC04	Ryan Moore TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MMH 3418	
FCH1	William Proffitt W 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MMH 0108 ONLINE	 Discussion

CLAS271 **Roman Literature in Translation**
Contact department for information to register for this course.

CLAS374 **Greek Tragedy in Translation**

CLAS374 Greek Tragedy in Translation; (3 credits) Grade Method: REG/P-F/AUD. Study and analysis of the tragedies of Aeschylus, Sophocles and Euripides with special attention to the concepts of character and of thought as conceived by Aristotle in The Poetics.

0101	Instructor: TBA Tu 4:00pm - 6:40pm	Seats (Total: 35) SQH 2122

CLAS470 **Approaches to Greek Mythology**

CLAS470 Approaches to Greek Mythology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: CLAS170; or permission of ARHU-Classics department. Ancient and modern approaches to understanding Greek myth as expression of human experience, including interpretations drawn from psychology, anthropology, and comparative mythology.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0119

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Fall 2014

CLFS001 **Life Science Assessment Test**

CLFS001 Life Science Assessment Test; (No credit) Grade Method: REG/P-F/AUD.

PL01	Paul Mazzocchi	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

PL01	Michelle Brooks	Seats (Total: 20)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

CLFS608 *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Scholarly Paper; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

CLFS608A *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS609A **Special Topics; Food Safety and GM Foods**

CLFS609A Special Topics: Food Safety and GM Foods; (3 credits) Grade Method: REG/AUD.

PL01	Lucinda Jack	Seats (Total: 30)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609F **Special Topics; Principles of Paleoentology**

CLFS609F Special Topics: Principles of Paleoentology; (3 credits) Grade Method: REG/AUD.

PL01	Bretton Kent	Seats (Total: 20)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS619B **Special Topics in Chemistry; Environmental Chemistry**

CLFS619B Special Topics in Chemistry: Environmental Chemistry; (3 credits) Grade Method: REG/AUD.

PL01	Debra Boehmler	Seats (Total: 20)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD. An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms. Click here for more course information.

PL01	Paul Bottino	Seats (Total: 21)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD. *Credit only granted for: LFSC609C or LFSC665. Formerly: LFSC609C.* Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Marcia Shofner	Seats (Total: 20)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CMLT Comparative Literature Fall 2014

CMLT235 **Black Diaspora Literature and Culture**

CMLT235 Black Diaspora Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: CMLT235 or ENGL235. Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

0101	Laura Williams TuTh 9:30am - 10:45am	Seats (Total: 30) ARC 1105

CMLT269C **Special Topics in Study Abroad II; Modern Catalan Literature**
Contact department for information to register for this course.

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Sangeeta Ray TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0123
0201	Jeremy Metz MWF 11:00am - 11:50am	Seats (Total: 30) HBK 0105
0301	Zein El-Amine MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0123

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Ines Rivera MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1117
0301	Nataliya Pratsovyta TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1107
0401	Niloufar Etemad Sarabi TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2207

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts. Also offered as ENGL278L.

0201	Emilee Durand TuTh 2:00pm - 3:15pm	Seats (Total: 30) ARM 0121

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Marit Knollmueller MW 11:00am - 12:15pm	Seats (Total: 30) SQH 2121

0201	Marit Knollmueller	Seats (Total: 30)
	MW 1:00pm - 2:15pm	SQH 2121

CMLT285 **American Indians in Literature and Film: Perspectives North and South**

CMLT285 American Indians in Literature and Film: Perspectives North and South; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: CMLT285, CMLT298N, and LASC248N. Formerly: CMLT298N. Introduction to indigenous peoples of North America, Central America and South America. Native peoples of the Americas contextualized in their specific environments. Cultural adaptations and cultural expressions emphasized for Arctic, Chesapeake, Mayan territory, and Andes regions. Readings of scientific literature, film, and narrative. Comparison of images in photographs and films. Discussion of European-based legislation for and about indigenous peoples from sixteenth century Spain to contemporary U.S. legislation. Also offered as LASC248N.

0101	Regina Harrison	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 0214

CMLT369T **Special Topics in Study Abroad III; Politics and Literature in the 20th Century**
Contact department for information to register for this course.

CMLT369X **Special Topics in Study Abroad III; Shakespeare and Lope de Vega**
Contact department for information to register for this course.

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-English department.

Contact department for information to register for this course.

CMLT398L **Special Topics in Comparative Studies; Sexuality in the Cinema**

CMLT398L Special Topics in Comparative Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Also offered as ENGL329C. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

0101	Eugene Robinson	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	TWS 1107	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab

CMLT398N **Special Topics in Comparative Studies; Gypsy Culture**

CMLT398N Special Topics in Comparative Studies: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Also offered as ENGL379V. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

0101	Eugene Robinson	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	TWS 1107

CMLT498F **Selected Topics in Comparative Studies; The Americas in Film**

CMLT498F Selected Topics in Comparative Studies: The Americas in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL468F and FILM429F. Credit will be granted for CMLT498F, ENGL468F or FILM429F.

0101	Regina Harrison	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	TWS 0205

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788B **Practicum in Comparative Studies; Trauma and Global Literature**

CMLT788B Practicum in Comparative Studies: Trauma and Global Literature; (1 credit) Grade Method: S-F.
Class meets from 12pm-2pm in TWS 3134 on the following dates: 9/5, 9/19, 11/14, and 12/5.

0101	Sheila Jelen	Seats (Total: 10)
	TBA	TWS 3134

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Fall 2014

CMSC100 **Bits and Bytes of Computer Science**

CMSC100 *(PermReq)* **Bits and Bytes of Computer Science; (1 credit)** Grade Method: REG.
Restriction: For first time freshmen and first time transfer computer science majors.
Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Charles Kassir M 4:00pm - 4:50pm	Seats (Total: 45) CSI 2117	

CMSC106 **Introduction to C Programming**

CMSC106 Introduction to C Programming; (4 credits) Grade Method: REG. *Prerequisite: MATH115. Restriction: Must not be in Computer Science program; and must not have completed any courses from CMSC131-499 course range.* Design and analysis of programs in C. An introduction to computing using structured programming concepts. Intended for students with no or minimal programming experience.

0101	Instructor: TBA TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 50) CSI 2117 CSI 1121	 Discussion

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed any courses from CMSC131-499 course range. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Fawzi Emad MWF 12:00pm - 12:50pm	Seats (Total: 75) CSI 3117
0201	Fawzi Emad MWF 1:00pm - 1:50pm	Seats (Total: 75) CSI 3117
0301	Fawzi Emad MWF 2:00pm - 2:50pm	Seats (Total: 75) CSI 3117

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.

Corequisite: MATH140; and permission of CMNS-Computer Science department.

Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0101	Evan Golub MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0102	Evan Golub MWF 2:00pm - 2:50pm MW 9:00am - 9:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0103	Evan Golub MWF 2:00pm - 2:50pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0104	Evan Golub MWF 2:00pm - 2:50pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0201	Evan Golub MWF 3:00pm - 3:50pm MW 8:00am - 8:50am	Seats (Total: 36) CSI 1115 CSI 2120	 Discussion
0202	Evan Golub MWF 3:00pm - 3:50pm MW 9:00am - 9:50am	Seats (Total: 36) CSI 1115 CSI 2120	 Discussion
0203	Evan Golub MWF 3:00pm - 3:50pm MW 10:00am - 10:50am	Seats (Total: 36) CSI 1115 CSI 2120	 Discussion
0204	Evan Golub MWF 3:00pm - 3:50pm MW 11:00am - 11:50am	Seats (Total: 37) CSI 1115 CSI 2120	 Discussion

0301	Thomas Reinhardt MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0302	Instructor: TBA MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 40) CSI 1115 CSI 2120	Discussion
0303	Thomas Reinhardt MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0304	Instructor: TBA MWF 11:00am - 11:50am MW 2:00pm - 2:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0401	Instructor: TBA MWF 12:00pm - 12:50pm MW 3:00pm - 3:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0402	Instructor: TBA MWF 12:00pm - 12:50pm MW 4:00pm - 4:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0403	Instructor: TBA MWF 12:00pm - 12:50pm MW 3:00pm - 3:50pm	Seats (Total: 32) CSI 1115 CSI 3118	Discussion
0404	Instructor: TBA MWF 12:00pm - 12:50pm MW 4:00pm - 4:50pm	Seats (Total: 32) CSI 1115 CSI 3118	Discussion

CMSC132 Object-Oriented Programming II

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Instructor: TBA MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 36) CSI 1115 CSI 2107	 Discussion
0102	Instructor: TBA MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 36) CSI 1115 CSI 2107	 Discussion
0103	Instructor: TBA MWF 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 36) CSI 1115 CSI 2107	 Discussion
0104	Instructor: TBA MWF 10:00am - 10:50am MW 2:00pm - 2:50pm	Seats (Total: 36) CSI 1115 CSI 2107	 Discussion
0201	Instructor: TBA MWF 1:00pm - 1:50pm MW 8:00am - 8:50am	Seats (Total: 36) CSI 1115 CSI 1122	 Discussion
0202	Instructor: TBA MWF 1:00pm - 1:50pm MW 9:00am - 9:50am	Seats (Total: 36) CSI 1115 CSI 1122	 Discussion
0203	Laurence Herman MWF 1:00pm - 1:50pm MW 10:00am - 10:50am	Seats (Total: 36) CSI 1115 CSI 1122	 Discussion

0204	Laurence Herman MWF 1:00pm - 1:50pm MW 11:00am - 11:50am	Seats (Total: 36) CSI 1115 CSI 1122	Discussion
0301	Instructor: TBA MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 30) CSI 2117 CSI 2107	Discussion
0302	Instructor: TBA MWF 2:00pm - 2:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 2107	Discussion
0303	Laurence Herman MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 1121	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216. Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 29) CSI 1115 CSI 3118	Discussion

0102	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0103	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0104	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 1115 CSI 1122	Discussion
0201	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0202	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0203	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 1115 CSI 2120	Discussion
0204	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 4:00pm - 4:50pm	Seats (Total: 29) CSI 1115 CSI 2120	Discussion
0301	Instructor: TBA TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0302	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 1115 CSI 3118	Discussion
0303	Instructor: TBA TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 1115 CSI 1122	Discussion

0304	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 1115 CSI 1122	 Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 3120	 Discussion
0102	Instructor: TBA TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 29) CSI 2117 CSI 3120	 Discussion
0103	Instructor: TBA TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 2117 CSI 3120	 Discussion
0201	Instructor: TBA TuTh 3:30pm - 4:45pm MW 2:00pm - 2:50pm	Seats (Total: 32) CSI 1115 CSI 3120	 Discussion
0202	Clyde Kruskal TuTh 3:30pm - 4:45pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 1115 CSI 1121	 Discussion
0203	Clyde Kruskal TuTh 3:30pm - 4:45pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 1115 CSI 1121	 Discussion

0204	Instructor: TBA TuTh 3:30pm - 4:45pm MW 9:00am - 9:50am	Seats (Total: 32) CSI 1115 CSI 2117	Discussion
0301	Instructor: TBA TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 3117 CSI 3120	Discussion
0302	Instructor: TBA TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 3117 CSI 3120	Discussion
0303	Instructor: TBA TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 3117 CSI 3120	Discussion

CMSC250H **Discrete Structures**

CMSC250H *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 25) CSI 3118 CSI 2117	Discussion

CMSC289I **Rise of the Machines: Artificial Intelligence Comes of Age**

CMSC289I Rise of the Machines: Artificial Intelligence Comes of Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	James Reggia TuTh 11:00am - 12:15pm	Seats (Total: 72) CSI 2117	

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 27) CSI 3117 CSI 2118	 Discussion
0102	Chau-Wen Tseng TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 27) CSI 3117 CSI 2118	 Discussion
0103	Chau-Wen Tseng TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 27) CSI 3117 CSI 2118	 Discussion
0201	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion
0202	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion

0203	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion
0301	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion
0302	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion
0303	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 27) CSI 3117 CSI 3118	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Hamid Mahini MWF 10:00am - 10:50am	Seats (Total: 88) CSI 3117	
0201	Hamid Mahini MWF 11:00am - 11:50am	Seats (Total: 88) CSI 3117	
0301	Hamid Mahini MWF 3:00pm - 3:50pm	Seats (Total: 88) CSI 2117	

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Restriction: Must be admitted to the Computer Science Honors Program.* Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC396H **Computer Science Honors Seminar**

CMSC396H *(PermReq)* **Computer Science Honors Seminar; (1 credit)** Grade Method: REG.
Prerequisite: Must have admission into Computer Science Departmental Honors Program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: CMSC297 or CMSC396. Formerly: CMSC297. Overview of computer science research activities, techniques, and tools. Diverse research areas will be covered, including systems, networks, artificial intelligence, human-computer interaction, software engineering, graphics, vision, and theory.

0101	Neil Spring, Atif Memon W 1:00pm - 1:50pm	Seats (Total: 25) AVW 4172

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122
0201	Michelle Hugue TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1122

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. A hands-on introduction to operating systems, including topics in: multiprogramming, communication and synchronization, memory management, IO subsystems, and resource scheduling polices. The laboratory component consists of constructing a small kernel, including functions for device IO, multi-tasking, and memory management.

0101	Neil Spring TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 25) CSI 1122 CSI 2120	 Discussion
0102	Neil Spring TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 25) CSI 1122 CSI 2120	 Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	A.U. Shankar TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1122	
0201	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122	

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 3120
0201	Ibrahim Korpeoglu TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 2107

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 2120
0201	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	Donald Perlis TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1121
0201	Donald Perlis TuTh 9:30am - 10:45am	Seats (Total: 50) CSI 3117

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

CMSC423 *(PermReq)* **Bioinformatic Algorithms, Databases, and Tools; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.

0101	Hector Corrada Bravo MW 3:30pm - 4:45pm	Seats (Total: 48) CSI 1121

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Nicholas Roussopoulos	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 3120

CMSC426 **Image Processing**

CMSC426 *(PermReq)* **Image Processing; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC420; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. An introduction to basic techniques of analysis and manipulation of pictorial data by computer. Image input/output devices, image processing software, enhancement, segmentation, property measurement, Fourier analysis. Computer encoding, processing, and analysis of curves.

0101	John Aloimonos	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 2120

CMSC427 **Computer Graphics**

CMSC427 *(PermReq)* **Computer Graphics; (3 credits)** Grade Method: REG.
Prerequisite: MATH240; and minimum grade of C- in CMSC420; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	Zia Khan MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 1121

CMSC430 **Introduction to Compilers**

CMSC430 *(PermReq)* **Introduction to Compilers; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	Jeffrey Foster MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 2107

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Michael Hicks TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1121

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 *(PermReq)* **Introduction to Human-Computer Interaction; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and PSYC100; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Jon Froehlich TuTh 9:30am - 10:45am	Seats (Total: 44) CSI 1122
0201	Vibha Sazawal TuTh 11:00am - 12:15pm	Seats (Total: 44) CSI 1121

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo TuTh 12:30pm - 1:45pm	Seats (Total: 50) CSI 1121

CMSC436 **Programming Handheld Systems**

CMSC436 *(PermReq)* **Programming Handheld Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Fundamental principles and concepts that underlie the programming of handheld systems, such as mobile phones, personal digital assistants, and tablet computers. Particular emphasis will be placed on concepts such as limited display size, power, memory and CPU speed; and new input modalities, where handheld systems differ substantially from non-handheld systems, and thus require special programming tools and approaches. Students will apply these concepts and principles in the context of an existing handset programming platform.

0101	Adam Porter TuTh 9:30am - 10:45am	Seats (Total: 50) CSI 1121
0201	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 60) CSI 2117

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 3120

CMSC452 **Elementary Theory of Computation**

CMSC452 *(PermReq)* **Elementary Theory of Computation; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

0101	Instructor: TBA	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	CSI 3118

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisite: (any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 46)
	MWF 12:00pm - 12:50pm	CSI 1121

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz	Seats (Total: 33)
	TuTh 12:30pm - 1:45pm	MTH 0304

0201	Changhui Tan	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0409

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC466. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Instructor: TBA	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 1311

CMSC474 **Introduction to Computational Game Theory**

CMSC474 *(PermReq)* **Introduction to Computational Game Theory; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: CMSC474, ECON414, GVPT390 or GVPT399A. Game theory deals with interactions among agents (either human or computerized) whose objectives and preferences may differ from the objectives and preferences of the other agents. It will also provide a comprehensive introduction to game theory, concentrating on its computational aspects.

0101	Dana Nau	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	CSI 2120

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498M **Selected Topics in Computer Science; Parallel Algorithms**

CMSC498M *(PermReq)* **Selected Topics in Computer Science: Parallel Algorithms; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENEE350 or (CMSC330 and CMSC351) and permisson of department. Also offered as CMSC498M. Credit granted for ENEE459P or CMSC498M.

0101	Uzi Vishkin	Seats (Total: 10)
	MW 11:00am - 12:15pm	ITV 1100

CMSC498O **Selected Topics in Computer Science; Introduction to Data Science I: Preparing, Storing, and Manipulating Data**

CMSC498O *(PermReq)* **Selected Topics in Computer Science: Introduction to Data Science I: Preparing, Storing, and Manipulating Data; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of CMNS-Computer Science department.

0101	Amol Deshpande	Seats (Total: 42)
	TuTh 11:00am - 12:15pm	CSI 2107

CMSC498V **Selected Topics in Computer Science; Human-Computer Interaction Design Methods**

CMSC498V *(PermReq)* **Selected Topics in Computer Science: Human-Computer Interaction Design Methods; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Marshini Chetty	Seats (Total: 16)
	Th 6:00pm - 8:45pm	HBK 0123

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC631 **Program Analysis and Understanding**

CMSC631 Program Analysis and Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC430; or students who have taken courses with comparable content may contact the department. Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

0101	David Van Horn	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC660 **Scientific Computing I**

CMSC660 Scientific Computing I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC660. Credit only granted for: AMSC660 or CMSC660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.

0101	Ramani Duraiswami	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	CSI 3120

CMSC663 **Advanced Scientific Computing I**

CMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG.
Also offered as: AMSC663. Credit only granted for: AMSC663 or CMSC663. In the sequence CMSC663, CMSC664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Howard Elman, Kayo Ide	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	CSI 4122

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: AMSC666. Credit only granted for: AMSC666 or CMSC666. Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization.

0101	Instructor: TBA	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CHM 0124

CMSC701 **Computational Genomics**

CMSC701 Computational Genomics; (3 credits) Grade Method: REG/AUD.
An introduction to the algorithms and heuristics used in the analysis of biological sequences. Includes an introduction to string matching and alignment algorithms, phylogenetic analysis, string reconstruction (genome assembly), and sequence pattern recognition (gene and motif finding). A particular emphasis will be placed on the design of efficient algorithms and on techniques for analyzing the time and space complexity of these algorithms. Computational concepts will be presented in the context of current biological applications. No prior knowledge of biology necessary.

0101	Mihai Pop	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC712 **Distributed Algorithms and Verification**

CMSC712 Distributed Algorithms and Verification; (3 credits) Grade Method: REG/AUD.
Study of algorithms from the distributed and concurrent systems literature. Formal approach to specifying, verifying, and deriving such algorithms. Areas selected from mutual exclusion, resource allocation, quiescence detection, election, Byzantine agreements, routing, network protocols, and fault-tolerence. Formal approaches will handle system specification and verification of safety, liveness, and real-time properties.

0101	A.U. Shankar	Seats (Total: 20)
	TuTh 2:00pm - 3:30pm	AVW 3258

CMSC723 **Computational Linguistics I**

CMSC723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor. Also offered as: LING723, INST735. Credit only granted for: CMSC723, LING723, or INST735. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both. Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 2120

CMSC733 **Computer Processing of Pictorial Information**

CMSC733 Computer Processing of Pictorial Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC420. Input, output, and storage of pictorial information. Pictures as information sources, efficient encoding, sampling, quantization, approximation. Position-invariant operations on pictures, digital and optical implementations, the pax language, applications to matched and spatial frequency filtering. Picture quality, image enhancement and image restoration. Picture properties and pictorial pattern recognition. Processing of complex pictures; figure extraction, properties of figures. Data structures for pictures description and manipulation; picture languages. Graphics systems for alphanumeric and other symbols, line drawings of two- and three-dimensional objects, cartoons and movies.

0101	Instructor: TBA	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC737 **Fundamentals of Software Testing**

CMSC737 Fundamentals of Software Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC435; or students who have taken courses with comparable content may contact the department. Formerly: CMSC838M. Examine fundamental software testing and related program analysis techniques. In particular, the important phases of testing will be reviewed, emphasizing th significance of each phase when testing different types of software. Concepts include: test generation, oracles, prioritization and coverage, regression and mutation testing, and program analysis.

0101	Atif Memon	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSI 2118

CMSC754 **Computational Geometry**

CMSC754 Computational Geometry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC451 and CMSC420; or permission of instructor. Introduction to algorithms and data structures for computational problems in discrete geometry (for points, lines, and polygons) primarily in two and three dimensions. Topics include triangulations and planar subdivisions, geometric search and intersection, convex hulls, Voronoi diagrams, Delaunay triangulations, line arrangements, visibility, and motion planning.

0101	David Mount	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	CSI 2118

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798E **Graduate Seminar in Computer Science**

CMSC798E Graduate Seminar in Computer Science; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Foster	Seats (Total: 40)
	F 11:00am - 12:50pm	CSI 2117

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems: Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818E **Advanced Topics in Computer Systems; Distributed and Cloud-Based Storage System**

CMSC818E Advanced Topics in Computer Systems: Distributed and Cloud-Based Storage System; (3 credits) Grade Method: REG/AUD.

0101	Peter Keleher	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	AVW 3258

CMSC818V **Advanced Topics in Computer Systems; Security in Distributed Systems and Networks**

CMSC818V Advanced Topics in Computer Systems: Security in Distributed Systems and Networks; (3 credits) Grade Method: REG/AUD.
Also offered as ENEE757. Credit granted for ENEE757 or CMSC818V.

0101	Tudor Dumitras	Seats (Total: 15)
	MW 12:30pm - 1:45pm	JMP 1202

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828B **Advanced Topics in Information Processing**

CMSC828B Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Larry Davis	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSI 2118

CMSC828G **Advanced Topics in Information Processing; Image Understanding**

CMSC828G Advanced Topics in Information Processing: Image Understanding; (3 credits) Grade Method: REG/AUD.
Also offered as ENEE731. Credit granted for ENEE731 or CMSC828G.

0101	Ramalingam Chellappa	Seats (Total: 30)
	MW 11:00am - 12:15pm	JMP 2222

CMSC828N **Advanced Topics in Information Processing; Logical Aspects of Artificial Intelligence**

CMSC828N Advanced Topics in Information Processing: Logical Aspects of Artificial Intelligence; (1-3 credits) Grade Method: REG/AUD.

0101	Venkatramanan Subrahmanian	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 3118

CMSC828O **Advanced Topics in Information Processing; Introduction to Data Science I: Preparing, Storing, and Manipulating Data**

CMSC828O Advanced Topics in Information Processing: Introduction to Data Science I: Preparing, Storing, and Manipulating Data; (3 credits) Grade Method: REG/AUD.

0101	Amol Deshpande	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	CSI 2107

CMSC828Q **Advanced Topics in Information Processing; Lectures in Bioinformatics**

CMSC828Q Advanced Topics in Information Processing: Lectures in Bioinformatics; (1 credit) Grade Method: REG/AUD.
This course will involve watching online lectures from well-respected scientists in the field on current topics in bioinformatics , followed by an in-class discussion of the topics covered in the lectures.

0101	Mihai Pop	Seats (Total: 20)
	W 1:30pm - 3:00pm	BSB 3118

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858F **Advanced Topics in Theory of Computing**

CMSC858F Advanced Topics in Theory of Computing; (1-3 credits) Grade Method: REG/AUD.

0101	Mohammad Hajiaghayi	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSI 2118

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Fall 2014

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications. *Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.* A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Attendance on the first day of classes is mandatory.

0101	Rodney Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1176
0201	Jessica Lu TuTh 8:00am - 9:15am	Seats (Total: 19) SKN 0104
0301	Shannon Holland TuTh 12:30pm - 1:45pm	Seats (Total: 19) EDU 2102
0401	Nma Obike MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1184
0501	Nma Obike MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1184

0601	Jaclyn Bruner TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1180
0701	Rebecca Alt TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1176
0801	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) TLF 1103
0901	Janna Soeder TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1168
1001	Samuel Rubin TuTh 12:30pm - 1:45pm	Seats (Total: 19) SKN 0104
1101	Kathleen Brown MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1112
1201	Shannon Holland TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1176
1301	Kimberley Hannah TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1162
1401	L Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 19) TYD 1102
1501	Sifan Xu TuTh 12:30pm - 1:45pm *This section is restricted to BMGT, COMM or FMSC majors and first time freshman.*	Seats (Total: 19) PLS 1184
1601	L Gordon TuTh 6:30pm - 7:45pm	Seats (Total: 19) SQH 1123
1701	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) MMH 0108
1801	Thomas McCloskey TuTh 2:00pm - 3:15pm *This section is restricted to BMGT, COMM or FMSC majors and first time freshman.*	Seats (Total: 19) PLS 1180

1901	Samuel Rubin TuTh 2:00pm - 3:15pm	Seats (Total: 19) SKN 0104
2001	Lauren Harris MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1180
2101	Amanda Kennedy MWF 11:00am - 11:50am	Seats (Total: 19) EDU 0202
2201	Rowena Kirby-Straker MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1184
2301	Amanda Kennedy MWF 10:00am - 10:50am	Seats (Total: 19) TLF 1103
2401	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1180
2501	Michelle Futerfas MWF 10:00am - 10:50am	Seats (Total: 19) TYD 1108
2601	Rodney Schwartz MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1176
2701	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1180
2801	Denise Erskine-Meusa MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1180
2901	Lauren Hunter MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1184
3001	Michelle Futerfas MWF 9:00am - 9:50am	Seats (Total: 19) SKN 0104
3101	Liang Ma TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1184
3201	Jessica Lu TuTh 9:30am - 10:45am	Seats (Total: 19) SKN 0104

3301	Janna Soeder TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1180
	This section is restricted to BMGT, COMM or FMSC majors and first time freshman.	
3401	Kathleen Brown TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1176
3501	Lauren Hunter MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1184
3601	Claire Tills MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1180
3701	Jean Vandenbosch MWF 8:00am - 8:50am	Seats (Total: 19) HBK 0108
3801	Brooke Fowler MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0108
3901	Yvonne Slosarski TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1162
4001	Tiffany Banks MWF 1:00pm - 1:50pm	Seats (Total: 19) EDU 2102
4101	Jiankun Guo MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1172
4201	Yiwen Dai MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1113
	This section is restricted to BMGT, COMM or FMSC majors and first time freshman.	
4301	Jiankun Guo MWF 11:00am - 11:50am	Seats (Total: 19) JMP 1109
4401	Rebecca Alt TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1172
4501	Paula Nadler MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0126

4601	Karen Lamb MW 2:00pm - 3:15pm	Seats (Total: 19) SQH 1107
4701	Jean Vandenbosch MW 3:00pm - 4:15pm	Seats (Total: 19) KEY 0123
	This section is restricted to BMGT, COMM or FMSC majors and first time freshman.	
4801	Gerry Strumpf MW 5:00pm - 6:15pm	Seats (Total: 19) SKN 1115
4901	Karen Lamb MW 3:30pm - 4:45pm	Seats (Total: 19) SQH 1107
5001	Xinyan Zhao MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0125
5101	Kimberley Hannah TuTh 12:30pm - 1:45pm	Seats (Total: 19) MMH 0108
5201	Devin Scott TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMP 1202
5301	Stephanie Madden TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 0104
5401	Zexin Ma TuTh 8:00am - 9:15am	Seats (Total: 19) EDU 2101
5501	Jaclyn Bruner MW 2:00pm - 3:15pm	Seats (Total: 19) EGR 1102
5601	Meridith Styer TuTh 8:00am - 9:15am	Seats (Total: 19) KEY 0124
	This section is restricted to BMGT, COMM or FMSC majors and first time freshman.	
5701	Meridith Styer TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 1103
	This section is restricted to BMGT, COMM or FMSC majors and first time freshman.	

5801	Devin Scott TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1168
5901	Heather Epkins TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 1107
6001	L Gordon TuTh 5:00pm - 6:15pm	Seats (Total: 19) SQH 1123
6101	L Gordon TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 1123
6201	Samuel Rubin TuTh 3:30pm - 4:45pm	Seats (Total: 19) KEY 0124
6301	Shannon Holland TuTh 5:00pm - 6:15pm *This section is restricted to BMGT, COMM or FMSC majors and first time freshman.*	Seats (Total: 19) KEY 0124
6401	Yiwen Dai MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1115
6501	Amanda Irions MW 2:00pm - 3:15pm	Seats (Total: 19) HBK 1112
6601	Kimberley Hannah TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1180
6701	Sifan Xu TuTh 11:00am - 12:15pm	Seats (Total: 19) KEY 0124
6801	Nma Obike MWF 9:00am - 9:50am	Seats (Total: 19) HBK 1112
6901	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1146
7001	Claire Tills MWF 11:00am - 11:50am	Seats (Total: 19) KNI 1105

7101	Kathleen Brown MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1117
7201	Tiffany Banks MWF 2:00pm - 2:50pm	Seats (Total: 19) KEY 0123
7301	Julie Gowin MWF 3:00pm - 3:50pm	Seats (Total: 19) HBK 1108
7401	Julio Bermejo MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1162
7501	Annie Nichols TuTh 3:30pm - 4:45pm	Seats (Total: 19) KNI 1103
7601	Annie Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1146
7701	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) EGR 2116
7801	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) EGR 2116
7901	Denise Erskine-Meusa MWF 1:00pm - 1:50pm	Seats (Total: 19) EGR 3106
8001	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) HBK 1108
8101	Paula Nadler MWF 8:00am - 8:50am	Seats (Total: 19) KEY 1117
8201	Amanda Irions MW 3:30pm - 4:45pm	Seats (Total: 19) EGR 1102
8301	Jean Vandenbosch MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1168
8401	Denise Erskine-Meusa MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1168

8501	Denise Erskine-Meusa MWF 3:00pm - 3:50pm	Seats (Total: 19) PLS 1180
8601	Victoria Mends-Cole MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1180
8701	Gerry Strumpf MW 3:30pm - 4:45pm	Seats (Total: 19) SKN 1115
8801	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1168
8901	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) PHY 1219
9001	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1113
9101	Annie Nichols TuTh 8:00am - 9:15am	Seats (Total: 19) KNI 1103
9201	Zexin Ma TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 1121
9301	Heather Epkins TuTh 12:30pm - 1:45pm	Seats (Total: 19) KNI 1103
9401	Karen Lamb MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0124
9501	Shannon Holland TuTh 6:30pm - 7:45pm	Seats (Total: 19) KEY 0121
9801	Victoria Mends-Cole MW 6:30pm - 7:45pm	Seats (Total: 19) PLS 1180
9901	Jean Vandenbosch MWF 11:00am - 11:50am	Seats (Total: 19) HBK 0123
9902	Jaclyn Bruner TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1162

9903	Brooke Fowler MWF 10:00am - 10:50am	Seats (Total: 19) HBK 0108
9904	Ning Xie TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1162
9905	Ning Xie TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1113
9906	Josie Moore MW 2:00pm - 3:15pm	Seats (Total: 19) WDS 1127
9908	Samuel Rubin TuTh 5:00pm - 6:15pm	Seats (Total: 19) KEY 0120
9909	Samuel Rubin TuTh 6:30pm - 7:45pm	Seats (Total: 19) KEY 0120
9910	Rodney Schwartz MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1115
9911	Rodney Schwartz MWF 11:00am - 11:50am	Seats (Total: 19) SKN 1115
9912	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 3236
9913	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) ASY 3217
9914	Rong Ma MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0123
9915	Rong Ma MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0123
9916	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 19) ASY 3215
9917	Instructor: TBA TuTh 8:00am - 9:15am	Seats (Total: 19) EDU 3236

9918	Heather Epkins TuTh 9:30am - 10:45am	Seats (Total: 19) KNI 1103
9919	Rodney Schwartz MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0119
9920	Tiffany Banks MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1176
9921	Tiffany Banks MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1176
9922	Timothy Penn TuTh 11:00am - 12:15pm	Seats (Total: 19) TLF 1101
9923	Heather Epkins TuTh 11:00am - 12:15pm	Seats (Total: 19) KNI 1103
FC01	Jade Olson MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KNI 1103
FC02	Karen Lamb TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SKN 1112
FC03	Karen Lamb TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SKN 1112
FC04	Michael Steudeman MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) ASY 3203

COMM200 Critical Thinking and Speaking

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285. Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues. Attendance on the first day of classes is mandatory.

0101	William Howell TuTh 12:30pm - 1:45pm	Seats (Total: 19) HBK 1108
0201	Melissa Lucas MWF 10:00am - 10:50am	Seats (Total: 19) HBK 1108
0301	Elizabeth Gardner TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1146
0401	Melissa Lucas MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1146
0501	William Howell TuTh 2:00pm - 3:15pm	Seats (Total: 19) HBK 1108

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate. Attendance on the first day of class is mandatory.

0101	Megan Fitzmaurice TuTh 8:00am - 9:15am	Seats (Total: 24) TLF 1101
0201	Megan Fitzmaurice TuTh 9:30am - 10:45am	Seats (Total: 24) TLF 1101
0301	Jon Hoffman TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1184

0401	Jon Hoffman TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1146	

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.
Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Richard Toth Tu 11:00am - 12:50pm Th 11:00am - 12:50pm	Seats (Total: 18) CSS 1410 CSS 1410	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Pamela Grant Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0201	Pamela Grant Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 EDU 3315	 Discussion
0102	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 EDU 3315	 Discussion
0103	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 EDU 3315	 Discussion
0104	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 2117	 Discussion
0105	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 2117	 Discussion
0106	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 2117	 Discussion
0107	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1119	 Discussion

0108	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1119	Discussion
0109	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1119	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
Contact department for information to register for this course.

COMM269C **Special Topics in Study Abroad II; Communication and Campaign Management**
Contact department for information to register for this course.

COMM269M **Special Topics in Study Abroad II; Media Technology**
Contact department for information to register for this course.

COMM269P **Special Topics in Study Abroad II; Principles of Film and Media Production**
Contact department for information to register for this course.

COMM269R **Special Topics in Study Abroad II; Introduction to Public Relations**
Contact department for information to register for this course.

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 20)

COMM298R **Selected Topics in Communication; Introduction to Public Relations**
Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Shannon Holland TuTh 3:30pm - 4:45pm	Seats (Total: 150) SKN 0200

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Jade Olson MW 2:00pm - 3:15pm	Seats (Total: 35) EGR 2154
0201	Michael Steudeman TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1117

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM231 or COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM350 or COMM430.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Amanda Kennedy MW 5:00pm - 6:15pm	Seats (Total: 35) PLS 1119
0301	Liang Ma TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 2122

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM232 and COMM350. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0201	Erich Sommerfeldt M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Julio Bermejo M 1:00pm - 2:15pm W 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or JOUR332. Formerly: JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Timothy Penn Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Stephanie Madden Tu 12:00pm - 1:15pm Th 12:00pm - 1:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM354 **Public Relations Programs**

COMM354 Public Relations Programs; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM350. Credit only granted for: COMM354 or JOUR334. Formerly: JOUR334.* Analysis of eight major programs typically carried out by public relations professionals: employee relations, media relations, financial relations, member relations, governmental relations, community relations, fundraising and dealing with activist public.

0101	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 35) TYD 1114

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Ann Mason TuTh 5:00pm - 6:15pm	Seats (Total: 50) TYD 0102
0201	Jessica Lu TuTh 5:00pm - 6:15pm	Seats (Total: 35) TYD 1114

COMM370 **Mediated Communication**
Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

COMM371 Communication and Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V. A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images. This course is restricted to COMM majors at Shady Grove.

SG91	Robert Coleman MW 9:00am - 10:45am *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3212
SG92	Robert Coleman MW 2:00pm - 3:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM375 **Documentary Theory and Practice**

COMM375 Documentary Theory and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. A historical and theoretical introduction to documentary films and videos. Students will explore the power of documentaries to address socially significant issues.

SG91	Adam Nixon TuTh 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM382 **Essentials of Intercultural Communication**

COMM382 Essentials of Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency.
Credit only granted for: COMM382 or COMM482. Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

0101	Deepa Anagondahalli MW 3:30pm - 4:45pm	Seats (Total: 50) TYD 2106
0201	Deepa Anagondahalli MW 5:00pm - 6:15pm	Seats (Total: 50) TYD 2106
0301	Anita Seate TuTh 5:00pm - 6:15pm	Seats (Total: 35) KEY 1117
0401	Instructor: TBA MW 5:00pm - 6:15pm	Seats (Total: 35) KEY 0116

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 60)
SG91	Lindsi Baltz Contact instructor or department for details. *Contact department or instructor for details. Restricted to Shady Grove COMM Majors.*	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398C **Selected Topics in Communication; Peer Consulting in Oral Communication**

COMM398C *(PermReq)* **Selected Topics in Communication: Peer Consulting in Oral Communication; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Provides training in the principles and practice of peer consulting in the context of an oral communication center. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM200) with new training to help their peers become outstanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer consulting best practices.

0101	Rowena Kirby-Straker Tu 5:00pm - 7:30pm Contact instructor or department for details.	Seats (Total: 10) SKN 2117

COMM398D **Selected Topics in Communication; Public Relations Design and Publications**

COMM398D Selected Topics in Communication: Public Relations Design and Publications; (3 credits) Grade Method: REG.
Prerequisite: COMM350. Restriction: COMM majors (1506A) only. This course is a basic introduction to effective design principles and current design software used by the public relations industry (Adobe InDesign, Illustrator, and Photoshop). Students will learn fundamental principles of typography and design and apply them in print media projects relevant to the PR industry.

0101	Erich Sommerfeldt MW 8:00am - 9:15am	Seats (Total: 18) EGR 3140

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.

0101	Amber Westcott-Baker MW 2:00pm - 3:15pm *Restricted to COMM majors only.*	Seats (Total: 35) SKN 0104
0201	Soyoung Bae MW 3:30pm - 4:45pm	Seats (Total: 45) TYD 1132
SG91	Soyoung Bae TuTh 9:30am - 10:45am *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 3206

COMM398F **Selected Topics in Communication; Web Graphics, Coding, and Site Design**
Contact department for information to register for this course.

COMM398N **Selected Topics in Communication; Communication and Digital Imaging**

COMM398N Selected Topics in Communication: Communication and Digital Imaging; (3 credits) Grade Method: REG.

SG91	Robert Coleman	Seats (Total: 25)
	MW 11:00am - 12:15pm	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

COMM398O Selected Topics in Communication: Digital Media and Democracy; (3 credits) Grade Method: REG.
Restricted to COMM majors only.

SG91	Jon Hoffman	Seats (Total: 30)
	MW 11:00am - 12:15pm	BLD3 3215
	Restricted to COMM majors at Shady Grove.	

COMM398Q **Selected Topics in Communication; Strategic Communication Campaigns**

COMM398Q Selected Topics in Communication: Strategic Communication Campaigns; (3 credits) Grade Method: REG.

SG91	Julia Fraustino	Seats (Total: 40)
	MW 12:30pm - 1:45pm	BLD3 4206
	Restricted to COMM majors at Shady Grove.	

COMM398Y **Selected Topics in Communication; Ethics in Communication**

COMM398Y Selected Topics in Communication: Ethics in Communication; (3 credits) Grade Method: REG.

SG91	Julia Fraustino	Seats (Total: 40)
	MW 2:00pm - 3:45pm	BLD3 4206
	Restricted to COMM majors at Shady Grove.	

COMM398Z **Selected Topics in Communication; Media Ethics and Cultural Citizenship**
Contact department for information to register for this course.

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0401	Edward Fink Contact instructor or department for details.	Seats (Total: 10)	
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory. For majors only.

0101	Anita Seate TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EDU 1315	 Discussion
0102	Anita Seate TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EDU 1315	 Discussion
0103	Anita Seate TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EDU 1315	 Discussion
0104	Anita Seate TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 SQH 1121	 Discussion
0105	Anita Seate TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 SQH 1121	 Discussion

0106	Anita Seate TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 SQH 1121	Discussion
0201	Soyoung Bae MW 5:00pm - 6:15pm	Seats (Total: 45) TYD 1101	

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Principles and approaches for practical analysis of discourse designed to shape audience opinion. Attendance on the first day of classes is mandatory.

0101	Robert Gaines TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) BPS 1250 EDU 1121	Discussion
0102	Robert Gaines TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) BPS 1250 EDU 1121	Discussion
0103	Robert Gaines TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) BPS 1250 EDU 1121	Discussion
0104	Robert Gaines TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) BPS 1250 KEY 0103	Discussion
0105	Robert Gaines TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) BPS 1250 KEY 0103	Discussion
0106	Robert Gaines TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) BPS 1250 KEY 0103	Discussion

SG91	Jon Hoffman MW 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD2 3032	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program.
Philosophical and conceptual analysis of communication theories. Attendance on the first day of classes is mandatory.

0101	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMP 3201 KEY 0124	Discussion
0102	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMP 3201 KEY 0124	Discussion
0103	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMP 3201 KEY 0124	Discussion
0104	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMP 3201 HBK 0103	Discussion
0105	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMP 3201 HBK 0103	Discussion
0106	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMP 3201 HBK 0103	Discussion
SG91	Soyoung Bae TuTh 11:00am - 12:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 3219	

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Elizabeth Petrun	Seats (Total: 50)
	MW 3:30pm - 4:45pm	KEY 0102

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0301	Lauren Edelstein	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	JMP 3201

COMM426 **Conflict Management**

COMM426 Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: COMM425; and COMM250; and COMM402. Role of communication in managing conflict processes.

0101	Lauren Edelstein	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	JMP 3201

COMM427 **Crisis Communication**

COMM427 Crisis Communication; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: COMM398C or COMM427. Formerly: COMM398C. Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

0101	Brooke Liu	Seats (Total: 35)
	M 9:00am - 12:00pm	SQH 1121

SG91	Judith Tenney TuTh 11:00am - 12:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4212
SG92	Judith Tenney MW 12:30pm - 1:45pm *Registration is restricted to CCJS-Shady Grove majors. Permission is re uired for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.*	Seats (Total: 40) BLD3 2225

COMM435 **Theories of Interpersonal Communication**

COMM435 Theories of Interpersonal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM400; or permission of ARHU-Communication department. Major theoretical approaches and research trends in the study of interpersonal communication.

0101	Dale Hample TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1117
SG91	Judith Tenney TuTh 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4212

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM450 or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Robert Gaines TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 0102

COMM460 **Public Life in American Communities, 1634-1900**

COMM460 Public Life in American Communities, 1634-1900; (3 credits) Grade Method: REG/P-F/AUD.
Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.

0101	James Klumpp	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TYD 2111

COMM468A **Seminar in Mediated Communication; Arab Media**

COMM468A Seminar in Mediated Communication: Arab Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sahar Khamis	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TYD 1132

COMM469O **The Discourse of Social Movements; Rhetoric of Oppressed Peoples in the U.S.**

COMM469O The Discourse of Social Movements: Rhetoric of Oppressed Peoples in the U.S.; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to COMM Majors.

0101	Michelle Yang	Seats (Total: 35)
	MW 3:30pm - 4:45pm	KEY 0126

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SKN 0104

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

SG91	Deepa Anagondahalli TuTh 3:30pm - 4:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2206

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0201	Susan Hubbard MW 12:30pm - 1:45pm	Seats (Total: 50) TYD 1132

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA F 12:00pm - 1:30pm	Seats (Total: 50) SKN 0200

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) ASY 3221

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Simon Contact instructor or department for details.	Seats (Total: 20)

COMM498D **Seminar; Culture and Crisis**

COMM498D Seminar: Culture and Crisis; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Deepa Anagondahalli TuTh 2:00pm - 3:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2206

COMM498G **Seminar; Event Planning and Communication**

COMM498G Seminar: Event Planning and Communication; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to COMM majors only (major code: 1506A).

0101	Pamela Grant MW 4:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 15) PLS 1180
0201	Pamela Grant TuTh 11:00am - 12:15pm	Seats (Total: 35) JMP 1202

COMM498J **Seminar; Editing: Creating Meaning in Digital Media**

COMM498J Seminar: Editing: Creating Meaning in Digital Media; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Adam Nixon	Seats (Total: 25)
	TuTh 2:00pm - 3:30pm	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM498K **Seminar; Visual Communication: Filmmaking**

COMM498K Seminar: Visual Communication: Filmmaking; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Adam Nixon	Seats (Total: 25)
	Th 4:00pm - 6:30pm	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM498L **Seminar; Introduction to Screenwriting for Television and Film**

COMM498L Seminar: Introduction to Screenwriting for Television and Film; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Adam Nixon	Seats (Total: 25)
	Tu 4:00pm - 6:30pm	BLD3 4206
	Restricted to COMM majors at Shady Grove.	

COMM609 **Fundamentals of Interpreting**

COMM609 Fundamentals of Interpreting; (2-6 credits) Grade Method: REG/AUD.

PG01	Luigi David Luccarelli	Seats (Total: 24)
	Tu 2:00pm - 4:00pm Contact instructor or department for details.	SKN 3118
	Meets every other beginning September 2nd. Restricted to students in GSIT Program.	

COMM610 **Introduction to Translation and Interpreting Studies**

COMM610 Introduction to Translation and Interpreting Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: Students must complete an admissions test for first year courses; and permission of ARHU-Communication department. Provides an overview of the interdisciplinary fields of Translation and Interpreting Studies and establishes relationships between scholarly study and professional practice. Examines how theories and concepts inform practice, guide to a higher level of competence, and address issues of interlingual, intercultural mediation in authentic, real-world settings both past and present. serves as a foundation course for reflective practice and portfolio work through action research methodology and process

PG01	David Sawyer	Seats (Total: 24)
	M 5:30pm - 8:30pm	SKN 3118
	Meets every other week beginning September 8 including four 6 hour Sunday Seminars; 10:00am - 1:00pm and 2:00pm - 5:pm: Sep.14, Oct. 12, Oct. 26, and Nov. 23. Restricted to students in GSIT Program.	

COMM630 **Seminar in Public Relations Management**

COMM630 Seminar in Public Relations Management; (3 credits) Grade Method: REG/AUD.
Credit only granted for: COMM630 or JOUR630. Formerly: JOUR630. Relationship of public relations management to organizational structure and communication functions. Objectives, planning, staffing, budgeting, administering, and evaluation of public relations programs.

0101	Elizabeth Toth	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM639 **Fundamentals of Translation**

COMM639 Fundamentals of Translation; (1-6 credits) Grade Method: REG/AUD.

PG01	Peng Wang	Seats (Total: 20)
	Th 1:00pm - 2:00pm Contact instructor or department for details.	KEY 0107
	Restricted to students in GSIT Program.	

COMM641 **Introduction to Computer-Assisted Translation**

COMM641 Introduction to Computer-Assisted Translation; (1 credit) Grade Method: REG/AUD.
Prerequisite: Admissions test for first year courses; and COMM639; and permission of ARHU-Communication department. Introduces the use of computer-assisted translation tools to support large-scale translation projects and streamline translation processes. Focuses on industry software products that utilize translation memory and terminology management systems. Discusses the role of tools in the entire translation process from pre- to post-editing.

PG01	Peng Wang	Seats (Total: 16)
	Th 4:00pm - 6:00pm	SKN 3115
	Meets Oct. 16, Oct. 23, Oct. 30, Nov. 6, Nov. 13, Nov.20, and Dec. 4. Restricted to students in GSIT Program.	

COMM652 **Contemporary Rhetorical Theory**

COMM652 Contemporary Rhetorical Theory; (3 credits) Grade Method: REG/AUD.
Formerly: SPCH652. A study of twentieth century theories of rhetoric. Special attention will be devoted to Richard Weaver, Kenneth Burke, Lloyd Bitzer, Ernest Bormann, Walter Fisher, and the continental theorists of communication such as Chaim Perelman and Jurgen Habermas.

0101	James Klumpp	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 3117

COMM661 **Communication and Social Change**

COMM661 Communication and Social Change; (3 credits) Grade Method: REG/AUD.
Place of rhetoric as the union of the moral and historical in moments of social definition. Reviews theories of discourse in social change including political change, social movements, consciousness change, and more global change. Application to contemporary change.

0101	Michelle Yang	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM683 **Intercultural Communication Theory**

COMM683 Intercultural Communication Theory; (3 credits) Grade Method: REG/AUD.
An in-depth coverage of the essential theories of intercultural communication is provided.

PG01	Peng Wang	Seats (Total: 30)
	W 2:00pm - 5:00pm	SKN 3118
	Restricted to students in GSIT Program.	

COMM686 **Teaching Communication**

COMM686 Teaching Communication; (1 credit) Grade Method: REG/AUD.
Formerly: SPCH686. Principles of effective teaching--content and process--in the college communication classroom.

0101	Andrew Wolvin	Seats (Total: 30)
	W 12:00pm - 1:00pm	SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM700 **Introduction to Graduate Study in Communication**

COMM700 Introduction to Graduate Study in Communication; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Communication (Doctoral) program. Formerly: SPCH700.
Basic skills in communication research.

0101	Trevor Parry-Giles Tu 6:30pm - 9:30pm	Seats (Total: 30) SKN 2127

COMM712 **Advanced Historical/Critical Methods in Communication Research**

COMM712 Advanced Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM711. Restriction: Permission of instructor. Formerly: SPCH712. Critical assessment of qualitative approaches to communication. Introduction to significant schools of historical and critical research. Advanced techniques for inquiry and manuscript preparation. Students must have dissertation research project requiring historical or critical method.

0101	Shawn Parry-Giles Th 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM715 **Advanced Qualitative Methods in Communication Research**

COMM715 Advanced Qualitative Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM714; or students who have taken courses with comparable content may contact the department. Advanced data analysis of qualitative data in Communication research. In-field research and techniques for analysis of data from in-field work.

0101	Sahar Khamis Tu 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM719 **Advanced Consecutive Interpretation**

COMM719 Advanced Consecutive Interpretation; (2-6 credits) Grade Method: REG/AUD.

PG01	Instructor: TBA Contact instructor or department for details. *Restricted to students in GSIT Program.*	Seats (Total: 16)

COMM729 **Simultaneous Interpretation**

COMM729 Simultaneous Interpretation; (1-3 credits) Grade Method: REG/AUD.

PG01	Peng Wang	Seats (Total: 16)
	Contact instructor or department for details.	
	Restricted to students in GSIT Program.	

COMM759 **Professional Practice Forum in Interpreting: Practicum**

COMM759 Professional Practice Forum in Interpreting: Practicum; (1-3 credits) Grade Method: REG/AUD.

PG01	Instructor: TBA	Seats (Total: 16)
	F 1:00pm - 3:00pm	SKN 3118
	Meets every other week beginning September 5th. Restricted to students in GSIT Program.	

COMM769 **Professional Practice Forum in Interpreting: Workplace Processes and Procedures**

COMM769 Professional Practice Forum in Interpreting: Workplace Processes and Procedures; (1-2 credits) Grade Method: REG/AUD.

PG01	Instructor: TBA	Seats (Total: 16)
	M 4:00pm - 5:00pm	SKN 3117
	Meets beginning September 8. Restricted to students in GSIT Program.	

COMM775 **Seminar in Persuasion and Attitude Change**

COMM775 Seminar in Persuasion and Attitude Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ARHU-Communication department. Formerly: SPCH775.
This seminar will concentrate on the problem of making message strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.

0101	Xiaoli Nan	Seats (Total: 15)
	Th 12:30pm - 3:30pm	SKN 2127

COMM776 **Seminar in Interpersonal Communication**

COMM776 Seminar in Interpersonal Communication; (3 credits) Grade Method: REG/AUD.

Formerly: SPCH776. Interpersonal communication theory, research, and practice.

0101	Dale Hample	Seats (Total: 15)
	W 6:30pm - 9:30pm	SKN 2127

COMM789 **Seminar: Special Topics in Intercultural Communication; Advanced Intercultural Communications/Negotiations**

COMM789 Seminar: Special Topics in Intercultural Communication: Advanced Intercultural Communications/Negotiations; (3 credits) Grade Method: REG/AUD.

PG01	Instructor: TBA	Seats (Total: 16)
	M 9:00am - 12:00pm	SKN 3117
	Meets beginning September 8. Restricted to students in GSIT Program.	

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM798A **Independent Study; Public Speaking**

COMM798A Independent Study: Public Speaking; (1-3 credits) Grade Method: REG/AUD.

PG01	Andrew Wolvin	Seats (Total: 12)
	Th 1:00pm - 3:00pm	SKN 3117
	Restricted to students in GSIT Program.	

COMM798B **Independent Study; Text Analysis and Intensive Writing**

COMM798B Independent Study: Text Analysis and Intensive Writing; (1 credit) Grade Method: REG/AUD.

PG01	Shawn Parry-Giles Tu 1:00pm - 2:00pm *Restricted to students in GSIT Program. Taught in English.*	Seats (Total: 16) SKN 3117
PG02	Guiling Hu M 3:00pm - 4:00pm *Restricted to students in GSIT Program. Taught in Chinese.*	Seats (Total: 16) SKN 3117
PG03	Mahmoud Elgibali Tu 6:00pm - 7:00pm *Restricted to students in GSIT Program. Taught in Arabic.*	Seats (Total: 16) SKN 3117
PG04	Instructor: TBA Tu 6:30pm - 8:30pm *Restricted to students in GSIT Program. Taught in Spanish. Meets every other week beginning September 2nd.*	Seats (Total: 16) SKN 3117
PG05	Instructor: TBA M 12:30pm - 2:30pm *Meets in SQH 2120 on the following dates: September 8, 22, October 6, 20, November 3, 17, and December 1. Restricted to students in GSIT Program. Taught in Korean.*	Seats (Total: 16) Location: TBA

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Fall 2014

CONS608G **Seminar in Sustainable Development and Conservation Biology; Scientific Writing and Presentations**

CONS608G Seminar in Sustainable Development and Conservation Biology: Scientific Writing and Presentations; (1 credit) Grade Method: REG/AUD. Also offered as BIOL608R and MEES608G. Credit granted for BIOL608R, CONS608G, or MEES608G.

0101	Keryn Gedan	Seats (Total: 12)
	W 11:00am - 12:30pm	BPS 2249

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1-3 credits) Grade Method: S-F.

0101	Karen Lips	Seats (Total: 20)
	Contact instructor or department for details.	

CONS670 **Conservation Biology**

CONS670 Conservation Biology; (3 credits) Grade Method: REG/AUD.
Also offered as: MEES670. Credit only granted for: CONS670 or MEES670. Conservation in the Anthropocene means conserving biodiversity and ecosystem function in the midst of climate change, habitat loss, overexploitation, altered nutrient cycling, and invasive species with protected areas and reserve networks, ecosystem restoration, and other biodiversity conservation and management schemes. Taught at College Park and on the Interactive Video Network.

0101	Keryn Gedan	Seats (Total: 24)	
	TuTh 10:30am - 12:00pm	HJP 1213C	

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPBE College Park Scholars-Business, Society, and Economy — Fall 2014

CPBE100 **College Park Scholars: Business, Society & the Economy First-Year Colloquium**

CPBE100 College Park Scholars: Business, Society & the Economy First-Year Colloquium; (1 credit) Grade Method: REG.
Restriction: Students must be matriculated into the College Park Scholars Business, Society & the Economy (CPBE) program. Introductory colloquium: Examination of issues related to business, society and the economy.

0101	Jeff Miller, Mark Wellman	Seats (Total: 43)	
	W 5:00pm - 5:50pm	TWS 1100	
	W 6:00pm - 6:50pm	TWS 1100	Lab
0201	Jeff Miller, Mark Wellman	Seats (Total: 43)	
	W 5:00pm - 5:50pm	TWS 1100	
	W 6:00pm - 6:50pm	TWS 1100	Lab

CPET College Park Scholars-Environment, Technology & Economy — Fall 2014

CPET100 **College Park Scholars: Environment, Technology & Economy First-Year Colloquium I**

CPET100 College Park Scholars: Environment, Technology & Economy First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program. Introductory colloquium: Examination of issues related to the convergence of the environment, technology and the economy.

0101	Becky Archer M 5:00pm - 6:15pm M 3:00pm - 3:50pm	Seats (Total: 22) CCC 1205 CCC 1105	 Discussion
0102	Becky Archer M 5:00pm - 6:15pm M 4:00pm - 4:50pm	Seats (Total: 22) CCC 1205 CCC 1105	 Discussion
0103	Becky Archer M 5:00pm - 6:15pm Tu 3:00pm - 3:50pm	Seats (Total: 22) CCC 1205 CCC 1115	 Discussion
0104	Becky Archer M 5:00pm - 6:15pm Tu 4:00pm - 4:50pm	Seats (Total: 22) CCC 1205 CCC 1115	 Discussion

CPGH College Park Scholars-Global Public Health — Fall 2014

CPGH100 **College Park Scholars: Global Public Health First-Year Colloquium I**

CPGH100 College Park Scholars: Global Public Health First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program. Introductory colloquium: Examination of factors that determine the health status of populations around the world.

0101	Instructor: TBA W 3:00pm - 4:30pm	Seats (Total: 85) CCC 1100	

CPJT College Park Scholars-Justice and Legal Thought — Fall 2014

CPJT100 **College Park Scholars: Justice & Legal Thought: First-Year Colloquium**

CPJT100 College Park Scholars: Justice & Legal Thought: First-Year Colloquium; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Justice & Legal Thought (CPJT) program. Students will gain an experiential understanding of law and justice by investigating concepts and frameworks of justice and apply them to real-world experience.

0101	Instructor: TBA	Seats (Total: 80)
	W 5:00pm - 6:15pm	CCC 1205

CPMS College Park Scholars-Media, Self and Society — Fall 2014

CPMS100 **College Park Scholars: Media, Self & Society First-Year Colloquium I**

CPMS100 College Park Scholars: Media, Self & Society First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program. Introductory colloquium: Examination of issues related to the media.

0101	James Baxter, Kalyani Chadha	Seats (Total: 90)
	Th 3:30pm - 4:50pm	CCC 1100

CPPL College Park Scholars-Public Leadership — Fall 2014

CPPL100 **College Park Scholars: Public Leadership First-Year Colloquium I**

CPPL100 College Park Scholars: Public Leadership First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program. Introductory colloquium: Examination of issues related to public leadership.

0101	Ricco Hall	Seats (Total: 30)
	Tu 5:00pm - 6:15pm	CCC 1111

0201	Ricco Hall Tu 6:30pm - 7:45pm	Seats (Total: 35) CCC 1111
0301	Ricco Hall W 5:00pm - 6:15pm	Seats (Total: 35) CCC 1111

CPSA College Park Scholars-Arts Fall 2014

CPSA100 **College Park Scholars: Arts First-Year Colloquium I**

CPSA100 College Park Scholars: Arts First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program. Introductory colloquium: Aesthetic, intellectual and personal examination of the arts.

0101	Eowyn Mays M 6:00pm - 7:15pm	Seats (Total: 90) CCC 1100

CPSA149A **College Park Scholars: Arts Service-Learning Outreach; Arts**

CPSA149A College Park Scholars: Arts Service-Learning Outreach: Arts; (2 credits) Grade Method: REG.

0101	Harold Burgess W 5:00pm - 7:00pm	Seats (Total: 8) CCC 1105

CPSD College Park Scholars-Science, Discovery & the Universe Fall 2014

CPSD100 **College Park Scholars: Science, Discovery & the Universe First-Year Colloquium A**

CPSD100 College Park Scholars: Science, Discovery & the Universe First-Year Colloquium A; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year. Introductory colloquium: Examination of issues related to science, discovery and the universe.

0101	Alan Peel	Seats (Total: 45)
	Th 4:00pm - 5:20pm	CCC 1111

CPSD101 **College Park Scholars: Science, Discovery & the Universe First-Year Colloquium B**

CPSD101 College Park Scholars: Science, Discovery & the Universe First-Year Colloquium B; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year. Introductory colloquium: Examination of the intersection of astronomy and culture; and the roles of science, exploration and communication in the process of discovery.

0101	Elizabeth Warner	Seats (Total: 45)
	Th 4:00pm - 5:20pm	CCC 1205

CPSF College Park Scholars-Life Sciences — Fall 2014

CPSF100 **College Park Scholars: Life Sciences First-Year Colloquium I**

CPSF100 College Park Scholars: Life Sciences First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Life Sciences (CPSF) program. Introductory colloquium: Examination of issues related to the life sciences.

0101	Reid Compton	Seats (Total: 100)
	W 3:30pm - 5:30pm	PLS 1140

CPSG College Park Scholars-Science and Global Change — Fall 2014

CPSG100 **College Park Scholars: Science & Global Change First-Year Colloquium I**

CPSG100 College Park Scholars: Science & Global Change First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program. Introductory colloquium: Examination of issues related to science and global change.

0101	Thomas Holtz Tu 3:30pm - 4:50pm	Seats (Total: 92) CCC 1100	

CPSN College Park Scholars-International Studies Fall 2014

CPSN100 **College Park Scholars: International Studies First-Year Colloquium I**

CPSN100 College Park Scholars: International Studies First-Year Colloquium I; (2 credits) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program. Introductory colloquium: Examination of issues related to international studies.

0101	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 21) ASY 2203 TWS 0201	Discussion
0102	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 21) ASY 2203 TWS 0214	Discussion
0103	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 21) ASY 2203 TWS 0221	Discussion
0104	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) ASY 2203 ASY 3203	Discussion

CPSP College Park Scholars Program Fall 2014

CPSP218A **College Park Scholars Second-Year Colloquium I; Arts**

CPSP218A College Park Scholars Second-Year Colloquium I: Arts; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 7:15pm	Seats (Total: 80) CCC 1100	

CPSP218D **College Park Scholars Second-Year Colloquium I; Science, Discovery and the Universe**

CPSP218D College Park Scholars Second-Year Colloquium I: Science, Discovery and the Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Science, Discovery and the Universe.

0101	Alan Peel W 4:30pm - 5:30pm	Seats (Total: 85) CCC 1100	
0201	Alan Peel F 4:00pm - 5:00pm	Seats (Total: 10) CCC 1105	

CPSP218E **College Park Scholars Second-Year Colloquium I; Environment, Technology and Economy**

CPSP218E College Park Scholars Second-Year Colloquium I: Environment, Technology and Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Economy. Each week we will meet in plenary OR section - NOT both. The first week of classes, all sections should convene in the PLENARY in room 1100 of the Cambridge Community Center (CCC) & students will be given the schedule for the semester. There are no text books required - all readings will be available via the course website.

0101	Becky Archer Tu 5:00pm - 6:15pm M 2:00pm - 2:50pm	Seats (Total: 25) CCC 1205 CCC 1115	 Discussion
0201	Becky Archer Tu 5:00pm - 6:15pm Contact instructor or department for details. *Discussion will meet on Tuesdays from 5:00-5:50pm in CBD 1140.*	Seats (Total: 25) CCC 1205	

0301	Becky Archer	Seats (Total: 25)
	Tu 5:00pm - 6:15pm Contact instructor or department for details.	CCC 1205
	Discussion will meet on Tuesdays from 6:00pm-6:50pm in CCC1105	

CPSP218F **College Park Scholars Second-Year Colloquium I; Global Public Health**

CPSP218F College Park Scholars Second-Year Colloquium I: Global Public Health; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Global Public Health.

0101	Instructor: TBA	Seats (Total: 75)
	M 3:30pm - 5:00pm	SPH 1303

CPSP218G **College Park Scholars Second-Year Colloquium I; Science and Global Change**

CPSP218G College Park Scholars Second-Year Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change

0101	Thomas Holtz	Seats (Total: 90)
	M 3:30pm - 4:50pm	CCC 1100

CPSP218J **College Park Scholars Second-Year Colloquium I; Media, Self, and Society**

CPSP218J College Park Scholars Second-Year Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha, James Baxter	Seats (Total: 85)
	Tu 2:00pm - 3:20pm	CCC 1100

CPSP218L **College Park Scholars Second-Year Colloquium I; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Second-Year Colloquium I: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed as TBA) will meet on Tuesday, September 2nd, from 4pm-5pm. Location TBA.

0101	Tammatha O'Brien Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0201	Patricia Shields Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0301	Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0401	Leslie Pick Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1164

CPSP218P **College Park Scholars Second-Year Colloquium I; Public Leadership**

CPSP218P College Park Scholars Second-Year Colloquium I: Public Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	James Stillwell Tu 3:30pm - 4:45pm	Seats (Total: 30) CCC 1111
0201	James Stillwell W 2:00pm - 3:15pm	Seats (Total: 30) TWS 0234
0301	James Stillwell Tu 2:00pm - 3:15pm	Seats (Total: 30) CCC 1200

CPSP220 **Enterprise Communications**

CPSP220 Enterprise Communications; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Fundamental Studies - Oral Communications.
Prerequisite: Must have completed CPSP118B. Restriction: Must be enrolled in College Park Scholars' Business, Society and the Economy program. Examines basic interpersonal communication processes within written and oral channels, with practical applications for the business environment. This will be delivered as a blended learning class. Consult your syllabus during your first class session for details. Lab participation is mandatory; they will take place on September 17th, October 29th, and December 3rd.

BL01	Instructor: TBA M 11:00am - 12:15pm M 7:00pm - 10:00pm	Seats (Total: 36) CCC 1100 CCC 1205	 Lab
BL02	Instructor: TBA M 2:00pm - 3:15pm M 7:00pm - 10:00pm	Seats (Total: 36) CCC 1100 CCC 1205	 Lab

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: Must have completed an [SB] CORE course. Restriction: Must be in the College Park Scholars Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society a nd to students pursuing the STS University Certificate.

0101	Thomas Zeller TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105
0201	Nicole Mogul TuTh 12:30pm - 1:45pm	Seats (Total: 25) CCC 1105

CPSP239A **Practicum: Internship; ARTS**
Contact department for information to register for this course.

CPSP239G **Practicum: Internship**
Contact department for information to register for this course.

CPSP239J **Practicum: Internship**

CPSP239J Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Kalyani Chadha Contact instructor or department for details.	Seats (Total: 10)

CPSP239L **Practicum: Internship**

Contact department for information to register for this course.

CPSP239N **Practicum: Internship**

CPSP239N Practicum: Internship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Allison Patch	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP239P **Practicum: Internship; Individual Practicum**

CPSP239P *(PermReq)* **Practicum: Internship: Individual Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Jennifer Littlefield	Seats (Total: 5)
	Contact instructor or department for details.	

CPSP239T **Practicum: Internship; Science, Technology, and Society**

CPSP239T Practicum: Internship: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Science, Technology, and Society.

0101	David Tomblin	Seats (Total: 15)
	W 3:40pm - 5:00pm	CCC 1115

CPSP249A **Practicum: Service-Learning; Arts**

CPSP249A Practicum: Service-Learning: Arts; (2 credits) Grade Method: REG.

0101	Harold Burgess	Seats (Total: 7)
	W 5:00pm - 7:00pm	CCC 1105

CPSP249L **Practicum: Service-Learning; Life Sciences**

CPSP249L Practicum: Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP249T **Practicum: Service-Learning; Science, Technology, and Society**

CPSP249T Practicum: Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG/P-F/AUD.
Section 0101 is Technical Infrastructure and Society; Section 0201 is Community App Development.

0101	David Tomblin Th 3:30pm - 5:00pm	Seats (Total: 20) CCC 1105	 Lab
0201	Matthew Aruch W 3:30pm - 5:00pm	Seats (Total: 35) CCC 1111	 Lab

CPSP259G **Practicum: Research; Science and Global Change**
Contact department for information to register for this course.

CPSP259J **Practicum: Research; Media, Self, and Society**
Contact department for information to register for this course.

CPSP269N **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP318B **College Park Scholars Special Topics; Business, Society and Economics**
Contact department for information to register for this course.

CPSP318N **College Park Scholars Special Topics**
Contact department for information to register for this course.

CPSP339 **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP349T **Advanced Practicum: Service Learning; STEM Education and Society- Robotics Service-Learning in K-12 Schools**

CPSP349T Advanced Practicum: Service Learning: STEM Education and Society- Robotics Service-Learning in K-12 Schools; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.

0101	Matthew Aruch Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 10) CCC 1200 Location: TBA	 Lab
0102	Matthew Aruch Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 25) CCC 1200 Location: TBA	 Lab

CPSP369A **Advanced Practicum: Peer Teaching; Arts**
Contact department for information to register for this course.

CPSP369D **Advanced Practicum: Peer Teaching; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP369G **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369L **Advanced Practicum: Peer Teaching; Life Sciences**
Contact department for information to register for this course.

CPSP369N **Advanced Practicum: Peer Teaching; International Studies**
Contact department for information to register for this course.

CPSP369P **Advanced Practicum: Peer Teaching; Public Leadership**
Contact department for information to register for this course.

CPSP369T **Advanced Practicum: Peer Teaching; Science, Technology, and Society**
Contact department for information to register for this course.

CPSP388B **Advanced Special Topics in College Park Scholars; Innovation**
Contact department for information to register for this course.

CPSS College Park Scholars-Science, Technology and Society — Fall 2014

CPSS100 **College Park Scholars: Science, Technology & Society First-Year Colloquium I**

CPSS100 College Park Scholars: Science, Technology & Society First-Year Colloquium I; (1 credit) Grade Method: REG.
Restriction: Students must be enrolled in the College Park Scholars Science, Technology & Society (CPSS) program. Introductory colloquium: Examination of issues related to science, technology and society.

0101	David Tomblin	Seats (Total: 90)	
	M 3:30pm - 4:50pm	CCC 1205	

DANC Dance Fall 2014

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: by permission of department.

0101	Robin Brown	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1912	Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0102	Instructor: TBA	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	PKT 2102	Lab

DANC138F **World Dance Forms; Flamenco**

DANC138F World Dance Forms: Flamenco; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Miriam Phillips	Seats (Total: 18)	
	TuTh 3:30pm - 4:45pm	PAC 1908	

DANC138P **World Dance Forms; Hip Hop**

DANC138P World Dance Forms: Hip Hop; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Christopher Law TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1610	 Lab

DANC138W **World Dance Forms; World Dance Forms: West African Dance**

DANC138W World Dance Forms: World Dance Forms: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 24) PAC 1912	 Lab
0102	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 24) PAC 1912	 Lab

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 30) PAC 1610	 Lab
0102	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) PAC 1908	 Lab
0103	Curtis Stedge TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	 Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0102	Megan Morse Jans TuTh 2:00pm - 3:15pm	Seats (Total: 25) PKT 2102	

DANC179 **Movement Integration**

DANC179 *(PermReq)* **Movement Integration; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Nicole McClam TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 1908	Lab

DANC199 **Practicum in Choreography, Production and Performance I**

DANC199 *(PermReq)* **Practicum in Choreography, Production and Performance I; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Lynne Price TuTh 11:00am - 12:15pm	Seats (Total: 25) HBK 0108
0201	Megan Morse Jans TuTh 12:30pm - 1:45pm	Seats (Total: 10) HBK 0108
0301	Curtis Stedge TuTh 3:30pm - 4:45pm	Seats (Total: 25) HBK 0108
FC01	Lisa Traiger MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0108

DANC200S **Introduction to Dance**

DANC200S Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms. Restricted to College Park Scholars - Arts.

0201	Megan Morse Jans	Seats (Total: 15)	
	TuTh 12:30pm - 1:45pm	HBK 0108	

DANC207 **The Creative Process**

DANC207 *(PermReq)* **The Creative Process; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.
Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.

0101	Patrik Widrig	Seats (Total: 15)	
	MWF 2:00pm - 3:20pm	PAC 1912	

DANC209 **Dance Composition**

DANC209 *(PermReq)* **Dance Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC207 and permission of department.

0101	Alvin Mayes	Seats (Total: 15)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC218 **Foundations of Technique I**

DANC218 *(PermReq)* **Foundations of Technique I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Adriane Fang	Seats (Total: 17)	
	MWF 9:30am - 10:50am	PAC 1912	Lab

DANC219 **Foundations of Technique II**

DANC219 *(PermReq)* **Foundations of Technique II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC218 and permission of department.

0101	Adriane Fang MWF 9:30am - 10:50am	Seats (Total: 8) PAC 1912	 Lab
0201	Alvin Mayes MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1912	 Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith TuTh 9:30am - 10:45am	Seats (Total: 27) PAC 1908	 Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Mané Rebelo-Plaut TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1908	 Lab

DANC283 **Foundations of Dance History**

DANC283 *(PermReq)* **Foundations of Dance History; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Dance department. Introduction to the historical throughlines of dance theory. Analysis of the structure, context, and content of dance works.

0101	Miriam Phillips TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 1809

DANC299 **Practicum in Choreography, Production and Performance II**

DANC299 *(PermReq)* **Practicum in Choreography, Production and Performance II; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC304 **Teaching Dance**

DANC304 *(PermReq)* **Teaching Dance; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of ARHU-Dance department.* Organization and content of the studio dance class. Structuring developmentally appropriate dance experiences for students ages 3-18.

0101	Karen Bradley	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	PAC 1611	

DANC318 **Foundations of Technique III**

DANC318 *(PermReq)* **Foundations of Technique III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC219 and permission of department.

0101	Alvin Mayes	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	
0201	Patrik Widrig	Seats (Total: 11)	
	MWF 11:00am - 12:20pm	PAC 1610	

DANC319 **Foundations of Technique IV**

DANC319 *(PermReq)* **Foundations of Technique IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC318 and permission of department.

0101	Patrik Widrig	Seats (Total: 14)	
	MWF 11:00am - 12:20pm	PAC 1610	

DANC328 **Ballet III**

DANC328 *(PermReq)* **Ballet III; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Mané Rebelo-Plaut	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV**

DANC329 *(PermReq)* **Ballet IV; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Mané Rebelo-Plaut	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC371 **Somatics**

DANC371 *(PermReq)* **Somatics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: DANC179. Restriction: Permission of ARHU-Dance department.* Current ideas and trends in dance technique, with a focus on the incorporation of dance science and somatics into dance training.

0101	Sharon Mansur	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	PAC 1912

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC398 **Directed Studies in Dance**

DANC398 *(PermReq)* **Directed Studies in Dance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III**

DANC399 *(PermReq)* **Practicum in Choreography, Production and Performance III; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 299.

Contact department for information to register for this course.

DANC409 **Contact Improvisation**

DANC409 *(PermReq)* **Contact Improvisation; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Lynne Price MW 12:30pm - 1:50pm	Seats (Total: 15) PAC 1610	Lab

DANC448 **Modern Dance V**

DANC448 *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC349 and aududition.

0101	Instructor: TBA MWF 9:30am - 10:50am	Seats (Total: 10) PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC 448 and permission from the department

0101	Instructor: TBA MWF 9:30am - 10:50am	Seats (Total: 5) PAC 1610	Lab

DANC466 **Laban Movement Analysis**

DANC466 *(PermReq)* **Laban Movement Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to Rudolf Laban's system of qualitative movement analysis in relation to understanding personal movement style. Application to dance performance, teaching, composition and research.

0101	Anne Warren TuTh 2:00pm - 3:15pm	Seats (Total: 12) PAC 1611

DANC488 **Project-Based Learning**

DANC488 *(PermReq)* **Project-Based Learning; (4 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA TuTh 3:30pm - 6:30pm	Seats (Total: 15) PAC 1610

DANC489P **Special Topics in Dance; Performance Coaching for Dance Majors**

DANC489P *(PermReq)* **Special Topics in Dance: Performance Coaching for Dance Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang MW 3:30pm - 4:45pm	Seats (Total: 12) PAC 1610

DANC499 **Practicum in Choreography, Production and Performance IV**

DANC499 *(PermReq)* **Practicum in Choreography, Production and Performance IV; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 399.

Contact department for information to register for this course.

DANC600 **Introduction to Graduate Studies in Dance**

DANC600 *(PermReq)* **Introduction to Graduate Studies in Dance; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.

0101	Miriam Phillips MW 3:30pm - 4:45pm	Seats (Total: 5) PAC 1611

DANC604 **Dance Pedogogy**

DANC604 Dance Pedogogy; (2 credits) Grade Method: REG/AUD.
Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teaching ceritification in the State of Maryland.

0101	Karen Bradley Tu 10:00am - 12:00pm	Seats (Total: 5) PAC 1924
IH60	Karen Bradley Tu 10:00am - 12:00pm	Seats (Total: 2) PAC 1924

DANC608 **Choreography I; Choreography I**

DANC608 Choreography I: Choreography I; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Developing and defining individual choreographic voice and vision in a s ared studio setting.

0101	Sara Pearson	Seats (Total: 5)	
	MW 11:00am - 12:50pm	PAC 1908	Lab

DANC610 **Workshop in the Direction of Dance Production**

DANC610 Workshop in the Direction of Dance Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: DANC410; or students who have taken courses with comparable content may contact the department. A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Cary Gillett	Seats (Total: 5)	
	MW 12:30pm - 1:45pm	PAC 1924	

DANC647 **Movement Practice**

DANC647 *(PermReq)* **Movement Practice; (2 credits)** Grade Method: REG.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Experiential studio work that generates common movement vocabulary and innovations of same in a shared, faculty-led exploration of movement for the purpose of generating vocabulary for technique, choreography, and pedagogy.

0101	Karen Bradley	Seats (Total: 5)	
	Contact instructor or department for details.		

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)	
	MWF 9:30am - 10:50am	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Instructor: TBA MWF 9:30am - 10:50am	Seats (Total: 5) PAC 1610	 Lab

DANC679 **Graduate Dance Performance**

DANC679 Graduate Dance Performance; (1-3 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 5)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 5)
0301	Anne Warren Contact instructor or department for details.	Seats (Total: 5)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 5)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 5)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 5)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 5)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 5)
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 5)

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC698I **Independent Study in Dance; K-12 Assessment**

DANC698I Independent Study in Dance: K-12 Assessment; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC719 **Choreographic Project**

DANC719 Choreographic Project; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Research-based choreographic projects in preparation for the choreographed thesis project.

0101	Sharon Mansur	Seats (Total: 5)
	MW 3:30pm - 5:30pm	PAC 1912

DANC777 **Internship in Dance**

DANC777 *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F. *Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0101	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EALL East Asian Languages and Literatures — Fall 2014

EALL300 **The Languages of East Asia**

EALL300 The Languages of East Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
A survey of Chinese, Japanese, and Korean, and the languages of other East Asian nationalities. Provides a basic understanding of the structures of these languages. Topics covered include the characterizing features; the relationships of the languages to each other; the geographical, social, and historical settings. No knowledge of Asian languages is required. Taught in English.

0101	Samuel Ramsey	Seats (Total: 50)	
	MW 3:30pm - 4:45pm	JMZ 2206	

ECON Economics — Fall 2014

ECON111 **Thinking Like an Economist**

ECON111 Thinking Like an Economist; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Restriction: Sophomore standing or lower; or permission of BSOS-Economics department.* An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.

0101	Peter Murrell	Seats (Total: 20)	
	TuTh 2:00pm - 2:50pm	TYD 0117	
	F 9:00am - 9:50am	TLF 1101	Discussion

0102	Peter Murrell TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 KEY 0119	Discussion
0103	Peter Murrell TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 KEY 0103	Discussion
0104	Peter Murrell TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 KEY 0119	Discussion
0105	Peter Murrell TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) TYD 0117 TWS 1105	Discussion
0201	Peter Murrell TuTh 5:00pm - 5:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TYD 0117 TYD 1108	Discussion
0202	Peter Murrell TuTh 5:00pm - 5:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0117 TYD 2102	Discussion
0203	Peter Murrell TuTh 5:00pm - 5:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 TYD 1101	Discussion

ECON175 **Inequality: Determinants and Policy Remedies**

ECON175 Inequality: Determinants and Policy Remedies; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

Through most of the 20th century gaps in income between rich and poor declined in the US, but after 1970 we experienced a very rapid increase in inequality. This course challenges students to investigate why people make different amounts of money, why income inequality has risen so dramatically in recent years, what public policy tools exist to counter inequality increases, and what different institutional arrangements different countries use to lower inequality. This course will introduce students to theoretical tools used by economists to understand the sources of inequality and will also examine empirical evidence to better understand changes in the wage distribution and, more generally, in income distribution.

0101	Instructor: TBA MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 JMZ 2120	Discussion
0102	Instructor: TBA MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 JMZ 2125	Discussion
0103	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 SQH 1101	Discussion
0104	Instructor: TBA MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 ASY 3215	Discussion
0105	Instructor: TBA MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 ASY 3219	Discussion
0106	Instructor: TBA MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 ASY 3217	Discussion

ECON200 Principles of Micro-Economics

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity. Click here for more course information.

2301	Instructor: TBA TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 LEF 2208	Discussion
2302	Instructor: TBA TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 KEY 0116	Discussion
2303	Instructor: TBA TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2304	Instructor: TBA TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2102	Discussion
2305	Instructor: TBA TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2306	Instructor: TBA TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 1101	Discussion
2307	Instructor: TBA TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 KEY 0125	Discussion

2308	Instructor: TBA TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2309	Instructor: TBA TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2310	Instructor: TBA TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2311	Instructor: TBA TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1132	Discussion
2312	Instructor: TBA TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2313	Instructor: TBA TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 SQH 2121	Discussion
2314	Instructor: TBA TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 WDS 1114	Discussion
BL01	Instructor: TBA TuTh 11:00am - 12:15pm F 11:00am - 11:50am *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 400) TYD 0130 TYD 0130	Discussion
BL02	Instructor: TBA TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 400) TYD 0130 TYD 0130	Discussion
FC01	Erin Moody MW 7:30pm - 8:45pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SKN 0200 WDS 0104	Discussion

FC02	Erin Moody MW 7:30pm - 8:45pm F 9:00am - 9:50am	Seats (Total: 30) SKN 0200 WDS 1114	Discussion
	Restricted to students in Freshmen Connection.		
FC03	Erin Moody MW 7:30pm - 8:45pm F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 2111	Discussion
	Restricted to students in Freshmen Connection.		
FC04	Erin Moody MW 7:30pm - 8:45pm F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 ARC 1103	Discussion
	Restricted to students in Freshmen Connection.		
FC05	Erin Moody MW 7:30pm - 8:45pm F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 ARC 1101	Discussion
	Restricted to students in Freshmen Connection.		
FC06	Erin Moody MW 7:30pm - 8:45pm F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 TLF 1101	Discussion
	Restricted to students in Freshmen Connection.		
FC07	Erin Moody MW 7:30pm - 8:45pm F 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 KEY 0126	Discussion
	Restricted to students in Freshman Connection.		
FC08	Erin Moody MW 7:30pm - 8:45pm F 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 KEY 0121	Discussion
	Restricted to students in Freshman Connection.		

ECON201 Principles of Macro-Economics

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	Instructor: TBA MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 440) TYD 0130 TYD 0130	 Discussion
0201	John Shea TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 250) SKN 0200 SKN 0200	 Discussion

ECON258G **Special Topics in Study Abroad II; Global Economy- Social and Economic Aspects**
Contact department for information to register for this course.

ECON300 **Methods and Tools for Economic Analysis**

ECON300 Methods and Tools for Economic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Nicholas Montgomery TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 32) ARM 0135 WDS 1130	 Discussion
0102	Nicholas Montgomery TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 32) ARM 0135 TYD 0101	 Discussion

0103	Nicholas Montgomery TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 32) ARM 0135 LEF 2208	Discussion
0104	Nicholas Montgomery TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 32) ARM 0135 SQH 1105	Discussion
0105	Nicholas Montgomery TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 32) ARM 0135 ARC 1101	Discussion
0106	Nicholas Montgomery TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 32) ARM 0135 TYD 1114	Discussion
0201	Xuezhen Tao MW 3:30pm - 4:45pm	Seats (Total: 40) TWS 0205	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON305 or ECON325. Additional information: ECON325, Intermediate Macroeconomic Analysis, is a different course designed specifically for economics majors. ECON325 is accepted for ECON major requirements, but ECON305 is not. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 180) ASY 2203	

ECON306 **Intermediate Microeconomic Theory**
Contact department for information to register for this course.

ECON310 **European Economic History**
Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department. Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0102	John Wallis	Seats (Total: 180)
	TuTh 9:30am - 10:45am	SHM 2102

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

SG91	Stefania Scandizzo	Seats (Total: 40)
	MW 12:30pm - 1:45pm	BLD3 3202
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department; or permission of BSOS-Economics department. Credit only granted for: ECON398C or ECON317. Formerly: ECON398C.* Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111
0301	Naveen Sarna TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 120) LEF 2205
0201	Instructor: TBA MWF 3:00pm - 3:50pm	Seats (Total: 120) LEF 2205

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Instructor: TBA MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 28) SHM 2102 TYD 2111	Discussion
0102	Instructor: TBA MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 28) SHM 2102 TYD 0111	Discussion
0103	Instructor: TBA MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 28) SHM 2102 TYD 1101	Discussion
0104	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 28) SHM 2102 TYD 1108	Discussion
0106	Instructor: TBA MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 28) SHM 2102 TYD 2111	Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 45) TYD 0101	
0301	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 45) TYD 0101	

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Ethan Kaplan MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 LEF 2208	 Discussion
0102	Ethan Kaplan MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 2106	 Discussion
0103	Ethan Kaplan MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TYD 0101	 Discussion
0104	Ethan Kaplan MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TYD 0102	 Discussion
0105	Ethan Kaplan MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2109	 Discussion
0202	John Ham TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 TYD 1101	 Discussion
0203	John Ham TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 ARC 1103	 Discussion

0205	John Ham TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 JMZ 2122	Discussion
0301	Instructor: TBA TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 SKN 0104	Discussion
0302	Instructor: TBA TuTh 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) TYD 0117 EDU 3236	Discussion
0303	Instructor: TBA TuTh 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 EDU 3236	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri MW 3:30pm - 4:45pm	Seats (Total: 300) SKN 0200	
SG91	Instructor: TBA F 9:40am - 12:20pm	Seats (Total: 135) BLD3 3241	
	Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200. Credit only granted for: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

SG91	Stefania Scandizzo MW 9:30am - 10:45am	Seats (Total: 60) BLD3 3202
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Stefania Scandizzo MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 3202
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON358T **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**
Contact department for information to register for this course.

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and junior standing or higher. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON396 **Independent Honors Study**

ECON396 *(PermReq)* **Independent Honors Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department. Normally taken in senior year. Course will explore selected topics in economic theory and its application in depth. Analysis of methodologies in economic research and the development of student skills in research methods. Students will prepare workshop papers.

0101	Nuno Limao Tu 2:00pm - 4:45pm	Seats (Total: 15) TYD 0102

ECON397 **Honors Thesis**
Contact department for information to register for this course.

ECON398E **Topics in Economics; Environmental Economics**
Contact department for information to register for this course.

ECON398H **Topics in Economics; British Economy and Financial System**
Contact department for information to register for this course.

ECON398I **Topics in Economics; Urban and Regional Economics**

ECON398I Topics in Economics: Urban and Regional Economics; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to ECON majors only. Prerequisites: One course with a minimum grade of C- from (ECON321 or STAT400); and minimum grade of C- in ECON326.

0101	Nicholas Montgomery MW 9:30am - 10:45am	Seats (Total: 38) TYD 1102
0201	Nicholas Montgomery MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1102

ECON398L **Topics in Economics; The British Economy and Financial Systems**
Contact department for information to register for this course.

ECON398P **Topics in Economics; Theory and Policy of Poverty Alleviation**

ECON398P Topics in Economics: Theory and Policy of Poverty Alleviation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON326 and one of the following: ECON321 or STAT400. Restriction: Must be in a major within the BSOS- Economics department. See advising department for course description.

0101	Instructor: TBA W 6:30pm - 9:15pm	Seats (Total: 38) TYD 2111

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON321, STAT400); and minimum grade of C- in ECON325 and ECON326. Restriction: Must be in a major within the BSOS-Economics department. Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth.

0101	John Sabelhaus Tu 6:00pm - 8:45pm	Seats (Total: 25) TYD 1102

ECON401H **Current Issues in American Economic Policy**

ECON401H Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON321, STAT400); and minimum grade of C- in ECON325 and ECON326. Restriction: Must be in a major within the BSOS-Economics department. Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth. Honors College students only.

0101	Katharine Abraham MW 9:30am - 10:45am	Seats (Total: 20) TYD 2108

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Erin Moody MW 4:00pm - 5:15pm	Seats (Total: 38) TYD 2109
0201	Erin Moody MW 5:30pm - 6:45pm	Seats (Total: 38) TYD 1118
0301	Ozlem Tonguc TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2102

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Raymond Guiteras TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2110
0201	Raymond Guiteras TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1114

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in a major within the BSOS-Economics department. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 38) TYD 2110
0201	Sergio Urzua MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1132
0301	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 38) TYD 2110
0501	Yiqun Chen TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1101

ECON423 **Econometrics II**

ECON423 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department.* Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 2108

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Arnold Reznek MW 2:00pm - 3:15pm	Seats (Total: 38) LEF 0231
0102	Arnold Reznek MW 3:30pm - 4:45pm	Seats (Total: 38) LEF 0231
0103	Kevin Dayaratna TuTh 5:00pm - 6:15pm	Seats (Total: 20) LEF LAB 1

ECON426 **Economics of Cost-Benefit Analysis**

ECON426 Economics of Cost-Benefit Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON398A or ECON426. Formerly: ECON398A. Additional information: ECON426 meets the major requirement for Quantitative and Analytic Reasoning. Study of how to use cost benefit analysis and other similar tools of applied microeconomics to conduct policy analyses. Cost-benefit analysis is an empirical method of identifying an optimal choice from a set of policy alternatives, where optimal is defined in terms of economic efficiency. Real world examples are addressed, so that students understand limitations of the methods and also interactions of economic analysis with political and administrative processes.

0101	Leland Deck	Seats (Total: 38)
	M 6:30pm - 9:15pm	TYD 1114

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Instructor: TBA	Seats (Total: 38)
	MW 3:30pm - 4:45pm	TYD 1108

ECON441 **Theory of International Economics**
Contact department for information to register for this course.

ECON442 **Globalization and Capital Markets**

ECON442 Globalization and Capital Markets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	An Wang MW 2:00pm - 3:15pm	Seats (Total: 39) TYD 2110
0201	Ling Zhu MW 5:00pm - 6:15pm	Seats (Total: 38) TYD 1132

ECON443 **International Trade and Trade Policy in the New Global Economy**

ECON443 International Trade and Trade Policy in the New Global Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325. Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443. Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Edith Laget TuTh 5:00pm - 6:15pm	Seats (Total: 38) TYD 2110

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin TuTh 12:30pm - 1:45pm	Seats (Total: 38) TYD 1114

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 38) TYD 1132
0201	Charles Hulten MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1118

ECON458Q **Special Topics in Study Abroad IV; State and Economy**
Contact department for information to register for this course.

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Examines different theoretical models of firm behavior in markets with varying amounts of market power. Relates theory to specific industries and examines how market structure evolves over time.

0101	Andrew Sweeting MW 2:00pm - 3:15pm	Seats (Total: 38) TYD 2108	
0201	Hong Lin TuTh 12:30pm - 1:45pm	Seats (Total: 38) ARC 1105	

ECON470 **Labor Economics:Theory and Evidence**

ECON470 Labor Economics:Theory and Evidence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. An analytical treatment of theories of labor markets, and an examination of empirical findings, evidence and conclusions. Topics covered will include some or all of the following: labor demand; labor supply and labor market participation; theory of human capital; earnings differentials; and if time allows, market structure and the efficiency of labor markets; and unemployment.

0101	Soohyung Lee TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2111	

ECON601 **Macroeconomic Analysis I**

ECON601 *(PermReq)* **Macroeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Economics department. Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	John Shea, Sebnem Kalemli-Ozcan MW 9:30am - 10:45am M 5:00pm - 6:45pm	Seats (Total: 45) TYD 1114 TYD 2111	 Discussion

ECON603 **Microeconomic Analysis I**

ECON603 *(PermReq)* **Microeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Economics department. A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Daniel Vincent, Lawrence Ausubel	Seats (Total: 50)	
	TuTh 2:00pm - 3:15pm	TYD 2111	
	Tu 5:15pm - 6:45pm	TYD 2111	Discussion

ECON623 **Econometrics I**

ECON623 *(PermReq)* **Econometrics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must have advanced knowledge of probability, statistics, and linear algebra. Restriction: Permission of BSOS-Economics department. Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Topics include: ordinary least squares, generalized least squares, instrumental variableestimation, quantile regression, finite and large sample analysis and general testing principles including misspecification tests. The course will also provide instructions on the use of a major statistical packagesuch as Stata or TSP.

0101	John Chao	Seats (Total: 41)	
	TuTh 12:30pm - 1:45pm	TYD 2110	
	Th 4:30pm - 6:15pm	TYD 1132	Discussion

ECON625 **Computational Economics**

ECON625 Computational Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON622; or ECON721. Credit only granted for: ECON625 or ECON698R. Formerly: ECON698R. An examination of the specification, computation, estimation and interpretation of structural models that are widely used in applied microeconomics (empirical and theoretical Industrial Organization, public and urban economics, environmental economics, development, political economy (e.g., voting), health and education economics, trade) and Marketing. The focus will be on how to use these models in practice, and students will solve and estimate models in weekly problem sets, with solutions/code being discussed in class.

0101	Andrew Sweeting	Seats (Total: 20)	
	MW 9:30am - 10:45am	TYD 0101	

ECON626 **Empirical Microeconomics**

ECON626 *(PermReq)* **Empirical Microeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON624, ECON721, or ECON622. Restriction: Must be in Economics (Doctoral) program. To provide students with the opportunity to use empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, selected samples, the analysis of natural experiments, and quantile regressions. This course will emphasize hands-on practical experience.

0101	Raymond Guiteras	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TYD 2108	
	F 4:00pm - 5:45pm	TYD 1132	Discussion

ECON630 **Computational Methods in Macroeconomics**

ECON630 *(PermReq)* **Computational Methods in Macroeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON601. Restriction: Must be in one of the following programs (Economics (Master's); Economics (Doctoral)) ; or permission of BSOS-Economics department. Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered.

0101	Ceyhun Durdu, Sadik Aruoba	Seats (Total: 16)	
	MW 9:30am - 10:45am	TYD 0111	

ECON641 **Microeconomic Analysis**

ECON641 Microeconomic Analysis; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Credit only granted for: ECON641 or ECON506. Formerly: ECON506.* Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics. Click here for more course information.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets September 2, 2014 - November 21, 2014		
	W 6:30pm - 9:15pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. Class meets at 1400 16th Street NW., Washington, DC.		

ECON643 **Empirical Analysis I: Foundations of Empirical Research**

ECON643 Empirical Analysis I: Foundations of Empirical Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ECON643 or ECON521. Formerly: ECON521. Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software. Click here for more course information.

PR01	Instructor: TBA	Seats (Total: 25)	
	Meets September 2, 2014 - November 21, 2014		
	M 6:30pm - 9:15pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. Class meets at 1400 16th Street NW., Washington, DC.		

ECON645 **Empirical Analysis III: Econometric Modeling and Forecasting**

ECON645 Empirical Analysis III: Econometric Modeling and Forecasting; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON522. Credit only granted for: ECON645 or ECON523. Formerly: ECON523. Study of empirical techniques that are particularly relevant to the analysis of microeconomic models. Emphasis is on advanced panel data methods, time series regressions, instrumental variables, limited dependent variables, and sample selection corrections. Click here for more course information.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets September 2, 2014 - November 21, 2014		
	Th 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. Meets at 1400 16th Street NW., Washington, DC.		

ECON652 **Public Economics I**

ECON652 Public Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON621 and ECON604; or ECON624. The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.

0101	Lesley Turner	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2110
	Schedule any tech room in TYD.	

ECON662 **Theories of Industrial Organization**

ECON662 Theories of Industrial Organization; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603. Classical theories of industry organization are analyzed. Topics include monopoly price discrimination, product differentiation and bundling as well as traditional oligopoly models of Cournot and Bertrand are examined. Dynamic models of oligopoly including entry deterrence and collusion are discussed in addition to games of research and development. Long-run industry structures and dynamics are also analyzed. Also investigates implications of these models for antitrust policy.

0101	Daniel Vincent	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2110

ECON671 **Economics of Health Care**

ECON671 Economics of Health Care; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565. An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections. Click here for more course information.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets September 2, 2014 - November 21, 2014		
	Tu 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. Meets in 1400 16th Street NW., Washington DC.		

ECON674 **Economic Analysis of Law**

ECON674 Economic Analysis of Law; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. A study of the application of economics to law with a focus on game theory, strategic behavior and public policy. Click here for more course information.

PR01	Instructor: TBA **Meets September 2, 2014 - November 21, 2014** Tu 6:30pm - 9:15pm Class time/details on ELMs	Seats (Total: 24) Location: TBA ONLINE
	Restricted to students in the Department of Economics' Professional Program. Meets in 1400 16th Street NW, Washington DC.	

ECON675 **Environmental Economics**

ECON675 Environmental Economics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.* A study of the nature of environmental regulation focusing on U.S. environmental policies and policy debates. Click here for more course information.

PR01	Instructor: TBA **Meets September 2, 2014 - November 21, 2014** Th 6:30pm - 9:15pm Class time/details on ELMs	Seats (Total: 24) Location: TBA ONLINE
	Restricted to students in the Department of Economics' Professional Program. Meets in 1400 16th Street NW, Washington DC.	

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON701 **Advanced Macroeconomics I**

ECON701 Advanced Macroeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON602 and ECON601.* Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	Sadik Aruoba MW 11:00am - 12:15pm	Seats (Total: 25) TYD 0101

ECON703 **Advanced Microeconomics I**

ECON703 Advanced Microeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON604 and ECON603.* Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.

0101	Peter Cramton TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Robert Schwab MW 12:30pm - 1:45pm	Seats (Total: 5) TYD 0111
0201	Daniel Vincent MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0301	Ingmar Prucha MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0501	Lesley Turner MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	John Chao TuTh 12:30pm - 1:45pm	Seats (Total: 5) TYD 0102

0201	Charles Hulten TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0301	John Haltiwanger TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0401	Guido Kuersteiner TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0501	John Wallis TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ECON721 **Econometrics III**

ECON721 Econometrics III; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON624; or permission of BSOS-Economics department. Oriented towards macro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, nonlinear time series models, exogeneity and causality, non-stationary time series models (unit roots, co-integration, error correction models, vector autoregressive models), econometric models of volatility (ARCH and GARCH models, and Stochastic volatility models), rational expectations models, non-stationary panel data models, tests for structural change, Bayesian econometrics and methods for Bayesian computation.

0101	John Chao TuTh 5:00pm - 6:15pm	Seats (Total: 20) TYD 2108

ECON741 **Advanced International Economics I**

ECON741 Advanced International Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON601; or permission of BSOS-Economics department. Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 2108

ECON742 **Advanced International Economics II**

ECON742 Advanced International Economics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603; or permission of BSOS-Economics department. Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.

0101	Nuno Limao	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2111

ECON771 **Advanced Labor Economics: Theory and Evidence**

ECON771 Advanced Labor Economics: Theory and Evidence; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of BSOS-Economics department. Or ECON603; and (ECON624 or ECON621). Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.

0101	Sergio Urzua	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1108

ECON785 **Advanced Economics of Natural Resources**

ECON785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603; and (ECON624 or ECON621). The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation. Also offered as AREC785. Credit will be granted for one of the following: AREC785 or ECON785.

0101	Jorge Holzer Bilbao, Sebastien Houde	Seats (Total: 28)
	MW 1:00pm - 2:15pm	HBK 0123

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

ECON808 Workshop on Macroeconomics and Growth: Workshop in Applied Economics; (2 credits) Grade Method: S-F/AUD.

0101	John Chao W 3:30pm - 5:30pm	Seats (Total: 10) TYD 2110
0201	John Haltiwanger W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA
0301	Charles Hulten W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA
0401	Guido Kuersteiner W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2108

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 Workshop in International Development, and Comparative Economics; (2 credits) Grade Method: S-F/AUD.

0101	Ethan Kaplan M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2110
0201	Peter Murrell M 3:30pm - 5:30pm	Seats (Total: 20) Location: TBA

ECON868 **Workshop in Industrial Organization**

ECON868 Workshop in Industrial Organization; (2 credits) Grade Method: S-F/AUD.

0101	Andrew Sweeting Tu 3:30pm - 5:30pm	Seats (Total: 20) TYD 1108
0201	Daniel Vincent Tu 3:30pm - 5:30pm	Seats (Total: 20) Location: TBA

ECON878 **Workshop in Labor Economics**

ECON878 Workshop in Labor Economics; (2 credits) Grade Method: S-F/AUD.

0101	Raymond Guiteras Th 3:30pm - 5:30pm	Seats (Total: 10) TYD 1118
0201	Soohyung Lee Th 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Fall 2014

EDCI210 **Exploring Teaching as a Career**

EDCI210 Exploring Teaching as a Career; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Weekly participation as a volunteer tutor in a local school or community program with children or adolescents. Regular campus meetings assist with developing teaching skills and insight.

0101	Corenne Harris Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) JMZ 3205

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	James Groff MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 3315
0201	Melissa Landa M 9:30am - 12:00pm	Seats (Total: 28) EDU 1315
0301	Megan Callow TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 2212

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

0101	Joseph McCaleb Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) TYD 1102 TYD 1102	 Lab

0102	Joseph McCaleb Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) TYD 1102 TYD 1102	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.

An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Two hours per week on campus plus three hours per week in a local school off campus. Most schools are within a 20 minute commute with more travel time needed if public transportation is required. Allow for travel time between on-campus coursework and the offcampus school experience. All schools require that fingerprinting and background checks be completed, at an additional cost of approximately $62, prior to the start of the experience.

0101	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	 Lab
0102	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	 Lab
0201	Jessica Haddaway Th 2:00pm - 3:50pm Th 8:30am - 11:30am	Seats (Total: 24) EDU 3315 Location: TBA	 Lab
0202	Jessica Haddaway Th 2:00pm - 3:50pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 3315 Location: TBA	 Lab

EDCI286 **Latino and Black Schooling: A History**

EDCI286 Latino and Black Schooling: A History; (3 credits) Grade Method: REG/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
The historical, cultural, political and socio-economic factors that shape the school experience and achievement (Kindergarten - college) of Latinos and Blacks in the U.S.

0101	Victoria MacDonald	Seats (Total: 30)
	W 11:00am - 1:30pm	ARC 1101

EDCI288D **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288D Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI288W **Special Topics in Teacher Education; Forbidden Books: Censorship of Children's and Young Adult Literatur**

EDCI288W Special Topics in Teacher Education: Forbidden Books: Censorship of Children's and Young Adult Literatur; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Wayne Slater	Seats (Total: 80)
	TuTh 12:30pm - 1:45pm	SQH 1120

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI305 **Curriculum and Instruction in Elementary Education Cluster**

EDCI305 *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)
0301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)

EDCI322 **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322 *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: EDCI352, EDCI362, EDCI342, and EDCI372. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Curriculum, organization and methods of teaching, evaluation of materials, and utilization of environmental resources. Emphasis on multicultural education. Includes laboratory/field experiences.

0101	Donna Paoletti Phillips Tu 3:30pm - 6:30pm Class time/details on ELMs Contact instructor or department for details. *This course will be taught both face to face and online. Please contact Leslie Gettier, lgettier@comcast.net for more information.*	Seats (Total: 30) EDU 2101 ONLINE
0201	Lisa Eaker W 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 30) EDU 2212
0301	Lisa Eaker M 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 30) EDU 2119

EDCI342 **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342 *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: EDCI352, EDCI362, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Listening, oral communication, functional writing, creative writing, spelling, handwriting, and creative expression. Includes laboratory/field experiences.

0101	Margaret Peterson M 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 30) EDU 2101
0201	John O'Flahavan W 8:30am - 10:20am Contact instructor or department for details.	Seats (Total: 30) EDU 2212
0301	Melissa Landa Tu 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 30) EDU 0206

EDCI352 **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352 *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: EDCI362, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences.

0101	Lisa Bote Tu 8:30am - 10:20am Contact instructor or department for details.	Seats (Total: 30) EDU 2121
0201	Lisa Bote Th 8:30am - 10:20am Contact instructor or department for details.	Seats (Total: 30) EDU 2121
0301	Rodrigo Gutierrez Tu 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 2121

EDCI355 **Field Experience in Secondary Mathematics Education**

EDCI355 *(PermReq)* **Field Experience in Secondary Mathematics Education; (1 credit)** Grade Method: S-F.
Prerequisite: Minimum of 6 credits from MATH400-499 course range. Corequisite: EDCI 455. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as an aide to two secondary mathematics teachers (middle grades and high school); assigned responsibilities and participation in a variety of teaching/learning activities.

0101	John Seelke	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI360 **Field Experience in Middle School**

EDCI360 *(PermReq)* **Field Experience in Middle School; (1 credit)** Grade Method: S-F.
Prerequisite: EDCI457 and EDCI411; or permission of instructor. Corequisite: EDCI413 and EDCI424. Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in the Middle School Teacher Education Program. Credit only granted for: EDCI355, EDCI360 or EDCI375. A Middle-school field experience that precedes student teaching. Two hourse per week required in a school for field experience.

0101	Stacy Pritchett	Seats (Total: 10)
	Contact instructor or department for details.	

EDCI362 **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2**

EDCI362 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Selecting, evaluating, and using a variety of materials and instructional techniques to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons and explicit instruction.

0101	Instructor: TBA M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 1121
0201	Loretta Holmberg-Masden W 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 2212
0301	Loretta Holmberg-Masden M 8:30am - 10:20am Contact instructor or department for details.	Seats (Total: 30) EDU 2121

EDCI372 **Curriculum and Instruction in Elementary Education: Science**

EDCI372 *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: EDCI352, EDCI362, EDCI342, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences.

0101	James McGinnis Tu 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 2212
0201	James McGinnis Th 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 2212

0301	Emily Hestness M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 30) EDU 2212

EDCI375 **Field Experience in Science Education**

EDCI375 Field Experience in Science Education; (1 credit) Grade Method: S-F. *Corequisite: EDCI470. Restriction: Must be in Secondary Educ: Science program.* This field experience course is designed to provide prospective teachers with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics includes planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.

0101	Tranae Johnson Contact instructor or department for details.	Seats (Total: 15)

EDCI400 **Field Experience in Art Education**

EDCI400 *(PermReq)* **Field Experience in Art Education; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Art program. Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons. Six hours for field experience required.

0101	Susan Hendricks Contact instructor or department for details.	Seats (Total: 10)

EDCI403 **Introduction to Teaching Art in Schools**

EDCI403 *(PermReq)* **Introduction to Teaching Art in Schools; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75. Introduction to the field of Art Education and the role of the visual arts in grades PreK-12 for today's diverse school populations. The fundamental, historical and philosophic components of art education with an emphasis on arts disciplines and curriculum. Includes a school-based practicum. For those considering art education as a major.

0101	Margaret Walker	Seats (Total: 19)
	Th 9:00am - 12:00pm	ARC 1121

EDCI406 **Technology and Two-Dimensional Art**

EDCI406 *(PermReq)* **Technology and Two-Dimensional Art; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT210. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and junior standing or higher; and must not be in any of the following programs (Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Special Education). A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker	Seats (Total: 19)
	TuTh 1:00pm - 3:15pm	EDU 1315
	Th 3:30pm - 5:00pm	Location: TBA Lab
	Lab portion meets for seven Thursdays from 3:30-5pm at Berwyn Heights Elementary School.	

EDCI410 **Methods I: K-12 World Language Methods and Technology**

EDCI410 *(PermReq)* **Methods I: K-12 World Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330. The first of two sequential courses required for achieving competence i teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.

0101	Perla Blejer	Seats (Total: 15)
	MW 2:00pm - 3:15pm	EDU 0114

EDCI411 **Knowledge, Reasoning, and Learning in Science**

EDCI411 *(PermReq)* **Knowledge, Reasoning, and Learning in Science; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370.* For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Diane Ketelhut TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 2212

EDCI413 **Interdisciplinary Teaching in the Middle Grades I**

EDCI413 Interdisciplinary Teaching in the Middle Grades I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI457 and EDCI411; or permission of instructor. Corequisite: EDCI360 and EDCI424. Restriction: Minimum cumulative GPA of 2.75; and must be in the Middle School Teacher Education Program, major code 0804P. For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students' field placements. Use of technology and incorporation of technology into instruction.

0101	Daniel Levin Th 10:00am - 12:00pm	Seats (Total: 20) EDU 0114
IH60	Janet Walkoe **Meets September 2, 2014 - December 12, 2014** M 1:00pm - 3:00pm	Seats (Total: 25) Location: TBA

EDCI416 **Teaching and Learning in Secondary Education: English**

EDCI416 *(PermReq)* **Teaching and Learning in Secondary Education: English; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.* An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience. Reserve one half day for entire semester for field experience.

0101	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 12) EDU 3315 EDU 3315	 Lab
0103	Peggy Wilson M 8:30am - 10:15am M 2:30pm - 4:15pm	Seats (Total: 12) EDU 3315 KNI 1103	 Lab

EDCI423 **Art Education Methods II**

EDCI423 *(PermReq)* **Art Education Methods II; (3 credits)** Grade Method: REG. *Prerequisite: EDCI405; or students who have taken courses with comparable content may contact the department. Corequisite: EDCI400. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.* Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Susan Hendricks Th 9:00am - 12:00pm	Seats (Total: 18) EDU 1315

EDCI424 **Equitable Classrooms**

EDCI424 Equitable Classrooms; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: EDCI297, EDCI457, and EDCI411. Corequisite: EDCI360 and EDCI413. Restriction: Minimum cumulative GPA of 2.75; and must be in Middle School Education program.* An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Creating habits of mind that help teachers see all students as capable of achieving at high levels. Draws on the concurrent field experience.

0101	Kristin Sinclair	Seats (Total: 12)
	Tu 10:00am - 12:00pm	EDU 1210B

EDCI426 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

EDCI426 *(PermReq)* **Knowledge, Reasoning, and Learning in Secondary Social Studies; (3 credits)** Grade Method: REG.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75. An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.

0101	Lisa Eaker	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 1107

EDCI427 **Curriculum, Teaching, and Assessment in Secondary Social Studies**

EDCI427 *(PermReq)* **Curriculum, Teaching, and Assessment in Secondary Social Studies; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: EDCI426. Corequisite: EDCI428. Restriction: Must be in Secondary Educ: Social Studies program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Center for Learning & Educational Technology. An exploration of curriculum development, teaching, and assessment in secondary history/social studies. Focus on identifying students' conceptions of social studies topics and designing lessons that advance students' disciplinary thinking and understanding. Also offered as EDCI350.

0101	Alana Murray Tu 5:30pm - 8:15pm	Seats (Total: 15) ASY 3217

EDCI428 **Field Experience in Secondary Social Studies Teaching**

EDCI428 *(PermReq)* **Field Experience in Secondary Social Studies Teaching; (1 credit)** Grade Method: S-F.
Co-requisite: EDCI 427. Students must reserve one full day per week for observation.

0101	Alison Jovanovic Contact instructor or department for details.	Seats (Total: 35)

EDCI432 **Issues in the Education of English Language Learners**

EDCI432 Issues in the Education of English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q. Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.

0101	Pei-Jie Chen TuTh 9:30am - 10:45am	Seats (Total: 25) EDU 3233

EDCI433 **Advanced K-12 World Language Methods and Technology**

EDCI433 *(PermReq)* **Advanced K-12 World Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI410. Corequisite: EDCI438. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio. EDCI 438 must be taken concurrently with EDCI 433.

0101	Perla Blejer M 5:00pm - 7:45pm	Seats (Total: 10) EDU 2102

IH60	Kayra Alvarado Tu 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

EDCI435 Teaching English Language Learners Reading and Writing in the Secondary Content Areas; (3 credits) Grade Method: REG/P-F/AUD.
Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

0101	Daisy Fredricks TuTh 11:00am - 12:15pm	Seats (Total: 25) ARC 1103

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG. GenEd: Diversity - Cultural Competency.
Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T. Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Melinda Martin-Beltran M 1:15pm - 4:00pm	Seats (Total: 25) EDU 2121

EDCI438 **Field Experience in Second Language Education; Field Experience in Second Language Education**

EDCI438 *(PermReq)* **Field Experience in Second Language Education: Field Experience in Second Language Education; (1 credit)** Grade Method: S-F.
EDCI 433 must be taken concurrently with EDCI 438.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Elementary Education program; or must be a Pre-Education Major. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Elizabeth Singleton MW 11:00am - 12:15pm	Seats (Total: 25) EDU 0114
0201	Lisa Swan MW 9:00am - 10:15am	Seats (Total: 25) EDU 2102
0301	Elizabeth Singleton TuTh 11:00am - 12:15pm	Seats (Total: 20) EDU 0206

EDCI447 **Field Experience in English Teaching**

EDCI447 *(PermReq)* **Field Experience in English Teaching; (1 credit)** Grade Method: S-F.
Corequisite: EDCI467. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as a part-time intern working with a fully licensed English teacher in a diverse school setting. Students must reserve one full day or two half days per week for the part-time internship. Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)

EDCI455 **Teaching and Learning High School Mathematics**

EDCI455 *(PermReq)* **Teaching and Learning High School Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have 2 semesters of calculus; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Corequisite: EDCI355. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Methods of teaching and assessing the high school mathematics curriculum; aligning tasks and activities to curriculum standards; lesson planning; and selection and use of technology. The course also focuses on managing large group dynamics in the high school mathematics classroom. Also offered as EDCI350.

0101	Richard Hollenbeck Tu 5:00pm - 7:45pm	Seats (Total: 25) EDU 2121

EDCI457 **Teaching and Learning Middle School Mathematics**

EDCI457 *(PermReq)* **Teaching and Learning Middle School Mathematics; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore EDCI 457 students will be expected to travel to a local middle school for 8-10 of the class meetings.

0101	Janet Walkoe TuTh 3:00pm - 4:50pm	Seats (Total: 25) EDU 2121
0201	Carolina Napp-Avelli, Alice Cook TuTh 3:15pm - 5:05pm	Seats (Total: 25) EDU 2212

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Margaret Jenkins TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 3236
IH60	Jennifer Turner Tu 9:00am - 12:00pm	Seats (Total: 25) Location: TBA

EDCI463 **Reading in the Secondary School**

EDCI463 *(PermReq)* **Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts. Also offered as EDCI 661.

0101	Ayanna Baccus MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 1100
0201	Mariam Dreher TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107

EDCI467 **Teaching Writing**

EDCI467 *(PermReq)* **Teaching Writing; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: EDCI447. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Examines current theory, research, best practice, curricula and materials for teaching written communication in grades K-12. Focuses on analytical, argumentative, informative/explanatory, literary analysis, narrative, descriptive, and research writing. Emphasizes instructional planning, assessment, writer problem-solving strategies, information search, development, organization and style appropriate to task, purpose and audience for both non-digital and digital text. English Language Learner and special needs pupil issues considered.

0101	Wayne Slater	Seats (Total: 30)
	Th 5:00pm - 7:45pm	EDU 2121

EDCI470 **Learning and Teaching in Science**

EDCI470 *(PermReq)* **Learning and Teaching in Science; (3 credits)** Grade Method: REG.
Prerequisite: EDCI411; or permission of instructor. Restriction: Must be in Secondary Educ: Science program. Studies of student learning and instructional practices in science teaching.

0101	Katherine Shirey	Seats (Total: 20)
	Tu 5:30pm - 7:00pm	TWS 0236
	Tu 7:00pm - 8:00pm	EDU 2101

EDCI474 **Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education**

EDCI474 Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: Enrolled in internship/certification area. Restriction: Must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.

0101	Leslie Page-Voth, Natalia Guzman TuTh 9:15am - 10:00am Contact instructor or department for details.	Seats (Total: 15) EDU 0206

EDCI475 **Embracing Diversity in the Classroom Community**

EDCI475 Embracing Diversity in the Classroom Community; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Admission to teacher education program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI475 or EDCI488L. Formerly: EDCI488L. An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.

0101	Kia McDaniel Tu 3:30pm - 6:15pm	Seats (Total: 25) SQH 1101

EDCI488B **Selected Topics in Teacher Education; Classroom Management**

EDCI488B Selected Topics in Teacher Education: Classroom Management; (1 credit) Grade Method: REG.

0101	Margaret Peterson Tu 1:00pm - 3:00pm	Seats (Total: 35) HBK 0105

0201	Susan Denvir Th 1:00pm - 3:00pm	Seats (Total: 35) EDU 2121
0301	Tracy Dunheimer Tu 8:00am - 10:15am	Seats (Total: 35) EDU 1107

EDCI488D **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

EDCI488D Selected Topics in Teacher Education: Mathematics and Science Education: Theory and Practice for Learning Assistants; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Chandra Turpen W 5:00pm - 7:45pm	Seats (Total: 20) PHY 1305F

EDCI488V **Selected Topics in Teacher Education; History of Art Education**

EDCI488V Selected Topics in Teacher Education: History of Art Education; (3 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Walker Tu 4:15pm - 7:00pm	Seats (Total: 11) EDU 1315

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI601 **Shifting Paradigms in Arts Education: Historical Investigations**

EDCI601 Shifting Paradigms in Arts Education: Historical Investigations; (3 credits) Grade Method: REG/AUD.
An investigation into major historical events and underlying beliefs, values and practices that influence contemporary arts education (visual art, drama, dance, music) at all levels of instruction. Selected literature that focuses on cultural contexts, individuals, institutions, events and national and international perspectives is used to investigate changing conceptions and practices of arts education.

0101	Margaret Walker Tu 4:15pm - 7:00pm	Seats (Total: 11) EDU 1315

EDCI603 **Integrated Art Methods**

EDCI603 Integrated Art Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI680; or EDCI405. Restriction: Must be in a major within EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI423, EDCI603, or EDCI688D. Formerly: EDCI688D. Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integratin g art with other subject areas.

IH60	Susan Hendricks Th 9:00am - 12:00pm	Seats (Total: 10) EDU 1315

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 Studying Student Learning in Diverse Settings; (3 credits) Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IH60	Maria Hyler Tu 1:00pm - 4:00pm	Seats (Total: 25) Location: TBA
IH61	Lisa Swayhoover W 5:30pm - 8:30pm	Seats (Total: 30) MMH 3418

IH99	Lisa Swayhoover, Pamela Harris, Ebony Shockley W 5:30pm - 8:30pm	Seats (Total: 2) MMH 3418
	CHIN TEED Outreach Program. Registration restricted to program participants.	

EDCI618 **Proseminar for Teaching Internship**

EDCI618 Proseminar for Teaching Internship; (1-3 credits) Grade Method: REG/AUD.

IH21	Jo Smallwood **Meets September 2, 2014 - December 12, 2014** Tu 1:30pm - 5:00pm	Seats (Total: 15) Location: TBA
	TLPL CITE Program Outreach Offering. Registration restricted to program participants.	

EDCI625 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI625 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.

Provides middle and secondary education students with an understanding of the interactive nature of the reading process, the use of research-based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

IH60	Ayanna Baccus Class time/details on ELMs	Seats (Total: 30) ONLINE
	TLPL MCERT Program Outreach Offering. Registration is restricted to MCERT Program participants.	
IH61	Ayanna Baccus Class time/details on ELMs	Seats (Total: 30) ONLINE
	TLPL MCERT Program Outreach Offering. Registration is restricted to MCERT Program participants.	

EDCI627 **Secondary Social Studies Pedagogy**

EDCI627 Secondary Social Studies Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI426; or EDCI680. Credit only granted for: EDCI627 or EDCI788Y. Formerly: EDCI788Y. The second course in a three-course teaching methods sequence. Addresses two key questions: (1) How do secondary school students think about and learn history/social studies? (2) How can secondary teachers teach history/social studies in ways that promote student learning?

IH60	Catherine McCall	Seats (Total: 15)
	Tu 5:30pm - 8:30pm	Location: TBA

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

EDCI630 Foundations of Second Language Education: Legal, Social and Historical Trends and Issues; (3 credits) Grade Method: REG/AUD.
Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

0101	Jeff MacSwan	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits) Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

IH60	Margaret Malone	Seats (Total: 30)
	Th 5:00pm - 7:45pm	Location: TBA

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Melinda Martin-Beltran	Seats (Total: 20)
	Th 5:00pm - 7:45pm	TWS 0201

EDCI634 **Methods of Teaching ESOL**

EDCI634 Methods of Teaching ESOL; (3 credits) Grade Method: REG/AUD.
This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Hybrid Format

IH70	Kellie Rolstad	Seats (Total: 23)
	Class time/details on ELMs	ONLINE

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

EDCI635 *(PermReq)* **English Grammar for Teachers of English to Speakers of Other Languages; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Instructor: TBA	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	EDU 1107

EDCI636 **Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

EDCI636 *(PermReq)* **Teaching ESOL Reading and Writing in the Elementary Classroom Areas; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI634. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.

0101	Megan Peercy Class time/details on ELMs	Seats (Total: 15) ONLINE
	Please note that this course requires some synchronous meeting that wil occur on Mondays from 4:30pm - 7:15pm. See the course syllabus for additional information.	
IH60	Megan Peercy Tu 5:00pm - 7:45pm	Seats (Total: 30) ONLINE

EDCI637 **Internship in World Language/TESOL Education**
Contact department for information to register for this course.

EDCI640 **Trends in Secondary School Curriculum: English**

EDCI640 Trends in Secondary School Curriculum: English; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in English education.

0101	Wayne Slater M 5:00pm - 7:45pm	Seats (Total: 10) EDU 0202
IH60	Kathleen Travers Tu 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA

EDCI651 **Teaching and Learning Mathematics in Secondary Schools**

EDCI651 Teaching and Learning Mathematics in Secondary Schools; (3 credits) Grade Method: REG/AUD.
Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; and bachelor's degree in mathematics or related field; and 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required. Prerequisite: Permission of department. EDCI MSMART Program. Contact Dian James at djames1@umd.edu.

IH33	Dana Grosser-Clarkson, Stacy Pritchett M 5:30pm - 8:30pm *TLPL MSMaRT Program Outreach Offering. Participation resticted to program participants*	Seats (Total: 10) Location: TBA
IH60	Stacy Pritchett, Dana Grosser-Clarkson M 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 Teaching and Learning Mathematics in the Elementary School; (3 credits) Grade Method: REG.
Prerequisite: MATH212, MATH213, or MATH214; or students who have taken courses with comparable content may contact the department. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IH21	Beatriz Quintos **Meets August 28, 2014 - December 4, 2014** Th 5:00pm - 8:00pm	Seats (Total: 19) Location: TBA
IH60	Carolina Napp-Avelli **Meets September 2, 2014 - December 12, 2014** M 9:00am - 12:00pm	Seats (Total: 25) Location: TBA

EDCI656 **Teaching and Learning Statistics in the Middle School**

EDCI656 Teaching and Learning Statistics in the Middle School; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to M.Ed. or M.A. program in EDCI with concentration in Mathematical Education. Designed to enhance both the pedagogical and statistical/data analysis content knowledge of middle school mathematics teachers.

IH30	Alice Cook, Rodrigo Gutierrez	Seats (Total: 20)
	Meets August 27, 2014 - December 14, 2014	
	W 4:30pm - 7:30pm	Location: TBA
	Middle School Math Education Outreach Program. Registration restricted to program participants.	

EDCI660 **Foundations of Reading**

EDCI660 *(PermReq)* **Foundations of Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department. Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.

0101	Peter Afflerbach	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 3236

EDCI661 **Content Area Reading**

EDCI661 *(PermReq)* **Content Area Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Ying Alice Zhang	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	KNI 1103

IH17	Patricia Richardson **Meets September 5, 2014 - September 27, 2014** F 6:30pm - 9:30pm Sa 9:00am - 5:00pm Class time/details on ELMs *Special Education in Germany Outreach Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 18) Location: TBA Location: TBA ONLINE
IH99	Ying Alice Zhang Tu 5:00pm - 7:45pm *CHIN TEED Outreach Program. Registration restricted to program participants.*	Seats (Total: 0) Location: TBA

EDCI663 **Understanding, Evaluating and Using Research in School Reading Programs**

EDCI663 *(PermReq)* **Understanding, Evaluating and Using Research in School Reading Programs; (3 credits)** Grade Method: REG/AUD.
Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.

0101	Mariam Dreher Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDCI664 **Clinical Assessment in Reading**

EDCI664 Clinical Assessment in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI661 and EDCI663; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Clinical diagnostic techniques and materials for assessing reading strengths and needs.

IH20	Candice Doyle Tu 4:30pm - 7:15pm *Reading Specialist Outreach Program. Registration restricted to program participants.*	Seats (Total: 18) Location: TBA

EDCI671 **Teaching Science in Elementary Schools**

EDCI671 Teaching Science in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Identification of problems in teaching science. Methods for improving the effectiveness of science education.

IH60	Diane Ketelhut M 12:30pm - 3:30pm	Seats (Total: 25) Location: TBA

EDCI675 **Learning to Teach and Learn Science**

EDCI675 Learning to Teach and Learn Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI411; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Restriction: Must be in the Maryland Master's Certification program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI675 or EDCI788V. Formerly: EDCI788V.
Developing practices of instruction in science teaching in the context of understanding student science learning.

IH33	Daniel Levin M 5:30pm - 8:30pm *TLPL MSMaRT Program Outreach Offering. Participation restricted to program participants*	Seats (Total: 10) Location: TBA
IH60	Daniel Levin M 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA

EDCI682 **Reframing Teacher Professionalism: Achieving Teacher Leadership**

EDCI682 Reframing Teacher Professionalism: Achieving Teacher Leadership; (3 credits) Grade Method: REG/AUD.
Understanding the profession of teaching, teacher leadership, and the knowledge base that undergirds the teaching profession. Multiple perspectives on teaching in the current debate on school reform and how they are aligned across the political spectrum.

0101	David Imig Th 4:30pm - 7:15pm	Seats (Total: 20) EDU 3233

EDCI687 **Applications of Computers in Instructional Settings**

EDCI687 Applications of Computers in Instructional Settings; (3 credits) Grade Method: REG/AUD.
Review and analysis of instructional software and computer-based learning environments from the standpoint of teaching, learning, and design theories. Integration of instructional and tool software into classroom settings.

0101	June Ahn Tu 4:15pm - 7:00pm	Seats (Total: 20) KEY 0116
IH30	Tamara Clegg Tu 5:00pm - 8:00pm	Seats (Total: 20) Location: TBA
	STEM Outreach Program. Registration restricted to program participants	

EDCI688A **Special Topics in Curriculum and Instruction; Advanced K-12 Foreign Language Methods and Technology**

EDCI688A Special Topics in Curriculum and Instruction: Advanced K-12 Foreign Language Methods and Technology; (1-3 credits) Grade Method: REG/AUD.

0101	Perla Blejer M 5:00pm - 7:45pm	Seats (Total: 5) EDU 2102

EDCI688J **Special Topics in Curriculum and Instruction; Adolescent Learning and Development**

EDCI688J Special Topics in Curriculum and Instruction: Adolescent Learning and Development; (1-3 credits) Grade Method: REG/AUD.
Restriction: Department permission required. EDCI MSMaRT Program Outreach Offering. Enrollment restricted to program participants.

IH33	Maria Hyler W 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA

EDCI688K **Special Topics in Curriculum and Instruction; Methods I: K-12 Foreign Language Methods and Technology**

EDCI688K Special Topics in Curriculum and Instruction: Methods I: K-12 Foreign Language Methods and Technology; (3 credits) Grade Method: REG/AUD.

0101	Perla Blejer MW 2:00pm - 3:15pm	Seats (Total: 5) EDU 0114
IH99	Perla Blejer **Meets September 2, 2014 - December 15, 2014** MW 2:00pm - 3:15pm *CHIN TEED Outreach Program. Registration restricted to program participants.*	Seats (Total: 0) Location: TBA

EDCI688Z **Special Topics in Curriculum and Instruction; Learning In and Through the Arts**

EDCI688Z Special Topics in Curriculum and Instruction: Learning In and Through the Arts; (2 credits) Grade Method: REG/AUD.

IH16	Karen Bradley Tu 4:30pm - 7:30pm *Arts Integration Education Outreach Program. Registration restricted t program participants.*	Seats (Total: 16) Location: TBA

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.
Student lab fee may apply. Contact program for details.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)
CE01	Karen Rehder Contact instructor or department for details. *EDCI Outreach MCERT. Department permission required.*	Seats (Total: 25)
CE02	Susan Hendricks Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ART. Departmental permission required.*	Seats (Total: 25)
CE03	Peggy Wilson Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ENGLISH. Departmental permission required*	Seats (Total: 25)

CE04	Perla Blejer	Seats (Total: 25)
	Contact instructor or department for details.	
	EDCI Outreach Secondary MCERT-FOREIGN LANGUAGE. Departmental permission required.	
CE05	John Seelke	Seats (Total: 25)
	Contact instructor or department for details.	
	EDCI Outreach Secondary MCERT - MATH. Departmental permission required.	
CE06	Tranae Johnson	Seats (Total: 25)
	Contact instructor or department for details.	
	EDCI Outreach Secondary MCERT-SCIENCE. Departmental permission required	
CE07	Catherine McCall	Seats (Total: 25)
	Contact instructor or department for details.	
	EDCI Outreach Secondary MCERT-SOCIAL STUDIES. Departmental permission required.	
CE08	Daisy Fredricks	Seats (Total: 25)
	Contact instructor or department for details.	
	EDCI Outreach Secondary MCERT-TESOL. Departmental permission required.	
CE09	Stacy Pritchett	Seats (Total: 15)
	Contact instructor or department for details.	
	MCERT Outreach Offering. Department permission required.	
CE10	Karen Bradley	Seats (Total: 1)
	Contact instructor or department for details.	
	MCert Dance Outreach Program. Registration restricted to program participants.	
IH33	Stacy Pritchett	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	Restriction: Department permission required. EDCI MSMaRT Program Outreach Offering. Enrollment restricted to program participants.	
IH61	Susan Hendricks	Seats (Total: 1)
	Meets October 10, 2014 - December 12, 2014	
	Contact instructor or department for details.	
	MCert Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	

IS11	Stacy Pritchett	Seats (Total: 0)
	Meets September 2, 2014 - December 9, 2014	
	Tu 5:30pm - 8:30pm	Location: TBA
	MSMaRT Outreach Program. Registration restricted to program participants.	

EDCI691 **Models of Teaching: Theories and Applications**

EDCI691 Models of Teaching: Theories and Applications; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Theory and research on teaching as applied to models of instruction. Practice in developing an initial repertoire of teaching models and in providing thoughtful critique of teaching based on these models.

IH21	Jo Smallwood	Seats (Total: 19)
	Meets August 27, 2014 - December 13, 2014	
	W 5:00pm - 8:00pm	Location: TBA
	CITE Outreach Program. Registration restricted to program participants.	

EDCI697 **Embracing Diversity in Classroom Communities**

EDCI697 Embracing Diversity in Classroom Communities; (3 credits) Grade Method: REG/AUD.
The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

0101	Tara Brown	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	EDU 3315

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Linda Valli	Seats (Total: 20)
	Tu 4:30pm - 7:15pm	EDU 1210B

IH30	Kara Trenkamp Class time/details on ELMs *TlPL STME Math Education Outreach Offering. Registration restricted to program participants.*	Seats (Total: 5) ONLINE
IH31	Joseph McCaleb Class time/details on ELMs *Elemtary STEM Outreach Program. Registration restricted to program participants.*	Seats (Total: 20) ONLINE
IH60	Wayne Slater Tu 4:30pm - 7:45pm	Seats (Total: 30) Location: TBA
IH61	Kathleen Travers Sa 9:00am - 1:00pm	Seats (Total: 30) Location: TBA
IH62	James McGinnis Sa 9:00am - 1:00pm	Seats (Total: 30) Location: TBA
IH63	Daisy Fredricks Sa 9:00am - 1:00pm	Seats (Total: 30) TYD 0101
IH64	Ann Nutter Coffman Sa 9:00am - 1:00pm	Seats (Total: 30) JMZ 2207

EDCI732 **Second Language Acquisition**

EDCI732 *(PermReq)* **Second Language Acquisition; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

0101	Drew Fagan Th 5:00pm - 7:45pm	Seats (Total: 25) ASY 3207
0201	Kellie Rolstad Th 5:00pm - 7:45pm	Seats (Total: 20) KNI 1103

EDCI734 **Teaching English Language Learners: Current and Future Research Directions**

EDCI734 Teaching English Language Learners: Current and Future Research Directions; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI780 or EDCI732; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Research on the preparation of generalists and specialists teaching English Language Learners. Current research and future research directions.

0101	Megan Peercy	Seats (Total: 20)
	M 9:30am - 12:45pm	EDU 0212

EDCI754 **Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation**

EDCI754 Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI752 or EDCI753; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Preservice teacher education, professional development, and policy as agents of reform in mathematics education.

0101	Patricia Campbell	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Patricia Campbell	Seats (Total: 20)
	F 10:00am - 11:25am	EDU 2121

EDCI775 **Seminar in Mixed Methods Research in Education**

EDCI775 Seminar in Mixed Methods Research in Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS646; and (EDCI791 or EDHI700); and permission of EDUC-Teaching, Learning, Policy and Leadership department. Recommended: EDCI792. Credit only granted for: EDCI 788A, EDPS 788A, EDCI 775, EDPS 775. Formerly: EDCI 788A and EDPS 788A. Examination of epistemological and methodological issues involved in conducting mixed methods studies in education. Students design and conduct analyses using existing datasets that include qualitative and quantitative data. They formulate appropriate research questions, consider alternative mixed methods designs, and address methodological complexities associated with working with qualitative and quantitative data in a single study.

0101	Linda Valli, Robert Croninger	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2212

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Victoria MacDonald	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3236

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788E **Selected Topics in Teacher Education; Research Seminar in Urban Education**

EDCI788E Selected Topics in Teacher Education: Research Seminar in Urban Education; (1-3 credits) Grade Method: REG/AUD.

0101	Victoria MacDonald	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI788R **Selected Topics in Teacher Education; Applied Linguistics Doctoral Seminar**

EDCI788R *(PermReq)* **Selected Topics in Teacher Education: Applied Linguistics Doctoral Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Jeff MacSwan	Seats (Total: 20)
	Th 1:00pm - 2:15pm	EDU 0202

EDCI791 **Qualitative Research I: Design and Fieldwork**

EDCI791 *(PermReq)* **Qualitative Research I: Design and Fieldwork; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI790. Formerly: EDCI684. Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Jennifer Turner	Seats (Total: 20)
	W 4:30pm - 7:15pm	EDU 2101

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI798A **Special Problems in Teacher Education; Revisioning Teacher Education**

EDCI798A *(PermReq)* **Special Problems in Teacher Education: Revisioning Teacher Education; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Meets on the 1st Wednesday of each month (September - December, 2014).

0101	David Imig, Linda Valli	Seats (Total: 15)
	W 11:15am - 2:50pm	EDU 2212A

EDCI798M **Special Problems in Teacher Education; Teaching Towards Standards for Mathematical Practice**

EDCI798M Special Problems in Teacher Education: Teaching Towards Standards for Mathematical Practice; (3 credits) Grade Method: REG/AUD.

IH33	Andrew Brantlinger	Seats (Total: 25)
	Meets September 8, 2014 - December 17, 2014	
	W 5:00pm - 8:00pm	Location: TBA
	STAMPP/MSMaRT Outreach Program. Registration restricted to program participants.	

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG.

0101	Daniel Chazan	Seats (Total: 10)
	F 11:30am - 1:00pm	EDU 2121
	Contact instructor or department for details.	

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Fall 2014

EDCP108B **College and Career Advancement: Concepts and Skills; Academic Success Strategies**

All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors. **EDCP108B College and Career Advancement: Concepts and Skills: Academic Success Strategies; (1 credit)** Grade Method: REG/P-F/AUD.

0201	Beverly Greenfeig **Meets September 4, 2014 - December 4, 2014** Th 12:30pm - 1:50pm	Seats (Total: 20) EDU 3236
0301	Beverly Greenfeig **Meets October 22, 2014 - December 10, 2014** W 2:00pm - 3:50pm *Recommended for students who are in academic difficulty at mid-semester*	Seats (Total: 20) KEY 0117
0501	Shirley Browner **Meets September 4, 2014 - December 4, 2014** Th 2:00pm - 3:20pm	Seats (Total: 20) HBK 0103

0701	Shirley Browner	Seats (Total: 20)
	Meets September 8, 2014 - December 7, 2014	
	Class time/details on ELMs	ONLINE
	There will be two meetings during the semester, a mandatory individual (in person) meeting and a suggested (in person) group meeting to be scheduled around the students schedules. For more information, contact the course instructor at sbrowner@umd.edu.	

EDCP108C **College and Career Advancement: Concepts and Skills; Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major. Juniors by permission of instructors. All sections of EDCP108, except EDCP108D, EDCP108J, and EDCP108R are closed to Seniors.

0101	Yi-Jiun Lin	Seats (Total: 20)
	Meets September 8, 2014 - November 15, 2014	
	Tu 3:15pm - 5:05pm	OAK 0318
	*Students in the Syn*Quest Program should enroll in section 0101*	
0201	James Houle	Seats (Total: 20)
	Meets September 8, 2014 - November 15, 2014	
	Th 10:00am - 11:50am	EDU 0202

EDCP108G **College and Career Advancement: Concepts and Skills; The Transfer Student in the University**

EDCP108G College and Career Advancement: Concepts and Skills: The Transfer Student in the University; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg	Seats (Total: 22)
	Meets September 8, 2014 - November 28, 2014	
	M 2:00pm - 3:30pm	WDS 1114

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Recommended for students with junior standing or above (or sophomores, with permission of Instructor) who are interested in learning about strategies for landing internships full-time employment and being successful in their careers.

0101	Kara Kehoe **Meets September 10, 2014 - November 12, 2014** W 11:00am - 12:15pm *Hybrid class: several meetings are online, others are face to face.*	Seats (Total: 49) TYD 0102
0201	Angela Jackson **Meets September 9, 2014 - November 11, 2014** Tu 12:00pm - 1:15pm *Hybrid class: several meetings are online, others are face to face.*	Seats (Total: 49) KEY 0102
0301	Claire Jacobson **Meets September 11, 2014 - October 30, 2014** Th 10:30am - 12:00pm	Seats (Total: 25) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only if seats are available.Once registered, please check your email for information about the first class meeting.

0201	Mark Montgomery **Meets October 20, 2014 - December 12, 2014** Tu 10:00am - 11:50am	Seats (Total: 35) BPS 1228

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0101	Solomon Comissiong, Ronald Zeigler M 10:00am - 11:00am	Seats (Total: 25) NCC 0120

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Freshman standing; or sophomore standing. Credit only granted for: EDCP217 or EDCP317. Formerly: EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $32 materials fee.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 25) COL 0101
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 25) COL 0101
0301	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0401	Instructor: TBA TuTh 2:00pm - 3:15pm *Permission needed. Section open only to members of Fraternity and Sorority organizations recognized by the Department of Fraternity and Sorority Life. Contact Kahlin McKeown at kmckeown@umd.edu for permission to enroll.*	Seats (Total: 25) JMZ 1122

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Ranga Atapattu TuTh 3:30pm - 4:45pm	Seats (Total: 25) SYM 0215
0201	Nancy Truong MW 9:30am - 10:45am	Seats (Total: 25) TYD 1118
0301	James Welch MW 11:00am - 12:15pm	Seats (Total: 25) EDU 3233

EDCP298 **Special Problems in Counseling and Personnel Services**
Contact department for information to register for this course.

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**
Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG. The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Margaret Kim TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1121
0201	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 25) TWS 0214

0301	Lee Penn TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1123
0401	Arianna Lashley TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 3233
0501	Carly Hunt MW 11:00am - 12:15pm	Seats (Total: 25) TWS 1106

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HESI217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts. Students must pay a $15 materials fee.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 1121
0201	Instructor: TBA MW 12:30pm - 1:45pm *This section restricted to students who have completed EDCP 217 or who have been admitted to the Minor in Leadership Studies. Email leadershipstudies@umd.edu for permission to enroll.*	Seats (Total: 15) EDU 1315
0301	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 25) EDU 2102
0401	Instructor: TBA MW 11:00am - 12:15pm *Department permission required. This section is restricted to students who have completed EDCP217 or who have been admitted to the Minor in Leadership Studies. Email leadershipstudies@umd.edu for permission to enroll.*	Seats (Total: 15) EDU 3315
0501	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 20) CCC 1111

EDCP318D **Applied Contextual Leadership; Facilitating Greek Community Dialogues**

EDCP318D Applied Contextual Leadership: Facilitating Greek Community Dialogues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Open only to members of fraternity and sorority organizations by the Department of Fraternity and Sorority Life. Preferences will be given to rising juniors who hold an officer /leadership position. Contact Brian Golden at brgolden@umd.edu for permission to enroll. Designed to assist mid- to upper-level leaders of fraternities and sororities in gaining competencies and proficiency in leading an organization. Both small and large group discussions will be incorporated as well as addressing issues of leadership, organizational development and their application within the fraternity and sorority communities.

0101	Instructor: TBA	Seats (Total: 30)
	W 3:30pm - 6:30pm	SQH 1117

EDCP318E **Applied Contextual Leadership; Applied Contextual Leadership: Leadership for Peer Assisted Learning**

EDCP318E *(PermReq)* **Applied Contextual Leadership: Applied Contextual Leadership: Leadership for Peer Assisted Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Open to students participating as peer mentors with the Learning Assistance Service (LAS) of the Counseling Center. Course designed for students selected to participate in the Peer Assisted Learning (PAL) program of LAS. Topics include: listening and communication skills, developing helping relationships, facilitating learning, the role of culture, and ethics. Course also includes lab hours leading peer mentoring sessions of for academic coursework.

0101	Instructor: TBA	Seats (Total: 20)
	TBA	TLF 1101
	Contact instructor or department for details.	

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: Leadership and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	PLS 1117

EDCP318L **Applied Contextual Leadership; Adaptive Strategies for Multicultural Leadership and Dialogue**

EDCP318L Applied Contextual Leadership: Adaptive Strategies for Multicultural Leadership and Dialogue; (3 credits) Grade Method: REG/P-F/AUD.
Freshman, Sophomore or Junior standing. Credit will be granted for only one of the following: EDCP318L or BSOS301. Resident hall student leaders encouraged to enroll.

0101	Instructor: TBA Tu 3:30pm - 6:15pm	Seats (Total: 25) JMZ 2123

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
This course is restricted to students selected to participate in the guided study program through the Counseling Center.

0101	Yanira Ortiz Tu 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 20) TYD 1108
0201	Yanira Ortiz W 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 20) ASY 3219

EDCP318R **Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

EDCP318R *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Challenge Course Theory and Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of Instructor. Required course to become a Challenge Course Facilitator for the Outdoor Recreation Center. Contact Mike Phaneuf (mp haneuf@umd.edu) to arrange an interview. This is a leadership course fo cusing on Challenge Course technical skills, experiential theory, and gr oup dynamics. Student selection is based on previous leadership experie nce and leadership potential.

0101	Instructor: TBA W 6:00pm - 9:00pm	Seats (Total: 20) Location: TBA

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and junior standing or higher. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HESI217; or students who have taken courses with comparable content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.

0101	Instructor: TBA	Seats (Total: 20)
	F 9:00am - 11:45am	EDU 0212

EDCP418A **Special Topics in Leadership; Asian American Leadership**

EDCP418A Special Topics in Leadership: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. Also offered as AAST498I. Credit will be granted for one of the following: AAST498I or EDCP418A. Students are given the opportunity to think critically about leadership in relation to Asian Pacific American (APA) identity. We will explore how racism, history, and society have interacted to shape leaders and also focus on critical issues facing APA student activists/leaders to help develop leadership, activism and managerial skills.

0101	Jude Paul Dizon, James McShay	Seats (Total: 19)
	TuTh 11:00am - 12:15pm	ASY 3217

EDCP418D **Special Topics in Leadership; Leadership and Ethnicity**

EDCP418D Special Topics in Leadership: Leadership and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 2101

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Instructor: TBA Th 2:00pm - 4:45pm	Seats (Total: 35) ARC 1101

EDCP418K **Special Topics in Leadership; Leadership and Intersecting Identities: Stories of the Multiracial/ethnic/cultural Experience**

EDCP418K Special Topics in Leadership: Leadership and Intersecting Identities: Stories of the Multiracial/ethnic/cultural Experience; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 2117

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. GenEd: Diversity - Understanding Plural Societies. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transitioning to Careers in the Global Workforce**

EDCP499A Workshops, Clinics, Institutes: Transitioning to Careers in the Global Workforce; (2 credits) Grade Method: REG.
Restricted to Juniors and Seniors only.

0101	Linda Gast Tu 10:00am - 11:50am	Seats (Total: 20) KEY 0117
0201	Linda Gast Tu 1:00pm - 2:50pm	Seats (Total: 20) KEY 0119

EDCP499L **Workshops, Clinics, Institutes; Preparation to Lead Relationship Skills Workshops**

EDCP499L *(PermReq)* **Workshops, Clinics, Institutes: Preparation to Lead Relationship Skills Workshops; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Patricia Mielke Contact instructor or department for details.	Seats (Total: 25)

EDCP610 **Professional Orientation**

EDCP610 Professional Orientation; (3 credits) Grade Method: REG/AUD.
Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues. For Student Affairs students only.

0101	Michelle Espino W 1:00pm - 3:45pm *Limited to Student Affairs graduate students.*	Seats (Total: 20) EDU 0212
0201	Richard Shin, Natasha Mitchell M 4:15pm - 7:00pm *Limited to School Counseling Students.*	Seats (Total: 20) EDU 0114

EDCP616 **Counseling II: Theory and Practice**

EDCP616 Counseling II: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP618. Counseling theories and the practices which stem from such theories. For EDCP majors only.

0101	Paul Gold Tu 4:15pm - 7:00pm *Limited to Students in the Masters Program.*	Seats (Total: 40) EDU 0212

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.

0101	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 2119
0201	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 2102

EDCP619B **Practicum in Counseling**

EDCP619B Practicum in Counseling; (3 credits) Grade Method: REG/AUD.

0101	Sharon Kirkland-Gordon Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 10) SHM 1106

EDCP632 **Cognitive Assessment**

EDCP632 Cognitive Assessment; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in the School Psychology program; or permission of EDUC-Counseling, Higher Education and Special Education department.* Assessment of cognitive functioning of children and adolescents in reference to school learning and behavior problems. Administering, scoring and interpreting cognitive assessment instruments commonly used in school systems.

0101	Jill Berger W 9:00am - 11:45am	Seats (Total: 10) EDU 1315

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Counseling program; or must be in the School Psychology program; or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Colleen O'Neal	Seats (Total: 10)
	W 1:00pm - 3:45pm	EDU 3236

EDCP640 **School Psychology Seminar: Overview of the Specialty**

EDCP640 School Psychology Seminar: Overview of the Specialty; (1-2 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Psychology program; or permission of instructor. Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	William Strein	Seats (Total: 10)
	Tu 10:00am - 11:30am	EDU 0202

EDCP641 **School Psychology Seminar: Professional Ethics**

EDCP641 School Psychology Seminar: Professional Ethics; (1-2 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Psychology program; or permission of instructor. Overviews ethical issues in the specialty of school psychology.

0101	William Strein	Seats (Total: 5)
	Tu 11:40am - 1:20pm	ARC 1123

EDCP671 **Intergroup Dialogue Facilitation Practicum**

EDCP671 Intergroup Dialogue Facilitation Practicum; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP616, EDCP618, and EDCP771; or permission of instructor. Restriction: Limited to college student personnel students only. Credit only granted for: EDCP498L or EDCP671. Formerly: EDCP498L. Developing knowledge and skills for facilitating intergroup dialogues. Using the principles and content of intergroup dialogues to create scenarios for the practice of listening, understanding, and taking action under theories of social justice.

0101	Kimberly Griffin	Seats (Total: 10)
	Tu 7:00pm - 9:45pm	ASY 3221

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

EDCP682 Counseling Psychology Didactic Practicum in Group Interventions; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC682. Formerly: EDCP718. In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Pepper Phillips	Seats (Total: 10)
	Tu 9:00am - 12:00pm	EDU 2102

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC685. Formerly: EDCP745. In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Mary Ann Hoffman	Seats (Total: 10)
	W 10:00am - 12:45pm	JMZ 1123

EDCP692 **Assessment in Counseling Psychology I**

EDCP692 Assessment in Counseling Psychology I; (3 credits) Grade Method: REG.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC692. Formerly: EDCP789F. Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process. Students must pay a $36.00 materials fee.

0101	Dennis Kivlighan	Seats (Total: 20)
	M 1:00pm - 4:00pm	EDU 3236

EDCP697 **Multicultural Issues in Counseling Psychology**

EDCP697 Multicultural Issues in Counseling Psychology; (3 credits) Grade Method: REG.
Prerequisite: Only open to Counseling Psychology majors. Also offered as: PSYC697. Credit only granted for: EDCP697, EDCP699, or PSYC697. Formerly: EDCP699. Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Richard Shin	Seats (Total: 10)
	Tu 10:00am - 1:00pm	EDU 2101

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Jill Berger	Seats (Total: 10)
	Th 9:00am - 12:15pm	Location: TBA

EDCP741 **Multicultural Practice in Student Affairs: Self, Education, and Society**

EDCP741 Multicultural Practice in Student Affairs: Self, Education, and Society; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771. Credit only granted for: EDCP741 or EDCP789Z. Formerly: EDCP789Z. Develop knowledge and skills in the area of multicultural practice in student affairs through the examination of oppression, power, and privilege and how these dynamics impact individuals, educational institutions, and societies.

0101	James McShay Th 3:15pm - 6:00pm	Seats (Total: 20) ASY 3219

EDCP746 **Clinical Supervision of Pupil Personnel Services**

EDCP746 Clinical Supervision of Pupil Personnel Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Advanced Doctoral Students Only. Restriction: Permission of instructor. Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.

0101	William Strein M 4:15pm - 7:00pm	Seats (Total: 10) EDU 3233

EDCP772 **Research in Student Affairs**

EDCP772 Research in Student Affairs; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP656; or permission of instructor. Restriction: Must be in the College Student Personnel program. Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Julie Park W 1:00pm - 3:45pm	Seats (Total: 26) SQH 1105

EDCP775 **Facilitating Student Learning in Higher Education**

EDCP775 Facilitating Student Learning in Higher Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771; or permission of EDUC-Counseling, Higher Education and Special Education department. Restriction: Must be in Counseling and Personnel Services (Doctoral) program. Application of selected models of college student development, learning styles, and related models of instruction to the assessment of characteristics and the design of learning environments.

0101	Julie Park W 9:00am - 11:45am *Restricted to Student Affairs doctoral students.*	Seats (Total: 20) EDU 3236

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Instructor: TBA M 1:00pm - 4:00pm	Seats (Total: 11) EDU 1210B

EDCP789Q **Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

EDCP789Q Advanced Topics in Counseling and Personnel Services: Developmental Psychopathology; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi W 9:30am - 12:15pm	Seats (Total: 10) EDU 2101

EDCP789R **Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

EDCP789R Advanced Topics in Counseling and Personnel Services: College Teaching Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Michelle Espino Contact instructor or department for details.	Seats (Total: 10)

EDCP789X **Advanced Topics in Counseling and Personnel Services; Lifespan Development**

EDCP789X Advanced Topics in Counseling and Personnel Services: Lifespan Development; (3 credits) Grade Method: REG/AUD.

0101	Paul Gold Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP798P **Special Problems in Counseling and Personnel Services; Seminar Paper**
Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799A **Master's Thesis Research; Research Design and Proposal Writing Seminar**

EDCP799A Master's Thesis Research: Research Design and Proposal Writing Seminar; (1-6 credits) Grade Method: REG/S-F.

0101	Michelle Espino Th 9:00am - 11:45am	Seats (Total: 10) EDU 2102

EDCP870 **Professional Issues Seminar**

EDCP870 Professional Issues Seminar; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.* Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research.

0101	Kimberly Griffin Tu 4:15pm - 7:00pm *Only open to HESI Doctoral students.*	Seats (Total: 10) EDU 0206

EDCP871 **Student Affairs Doctoral Capstone Seminar**

EDCP871 Student Affairs Doctoral Capstone Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP870; or permission of instructor. Restriction: Must be in the College Student Personnel program. Credit only granted for: EDCP789I or EDCP871. Formerly: EDCP789I. Broadening perspectives on issues in student affairs and higher education by exploring the multiple roles and responsibilities of campus administrators and faculty members.

0101	Mary Hummel, Linda Clement W 3:45pm - 6:30pm	Seats (Total: 8) MIT 2108

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

EDCP888A Apprenticeship in Counseling and Personnel Services: College Student Personnel; (3 credits) Grade Method: REG/AUD.

0101	John Zacker	Seats (Total: 10)
	Contact instructor or department for details.	

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG.

0101	Jill Berger	Seats (Total: 15)
	M 1:00pm - 2:50pm	LEF 2208
0201	Hedwig Teglasi	Seats (Total: 15)
	Contact instructor or department for details.	

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2014

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences.
Corequisite: EDSP211. Students explore historical and current research in early childhood education, primary models of curriculum and pedagogy in the field, and the relationship between critical aspects of young children's development and the creation of inclusive learning opportunities for all children, including children at risk. The concept of developmentally appropriate practice and its application across different developmental levels and early childhood classrooms will be introduced and connected with discussion in EDHD220 and EDSP211. Students examine issues in developing and implementing high quality early childhood education experiences for young children with and without disabilities, including the influence of family, culture, and community, the needs of children at risk (e.g., poverty, immigrant status, English Language Learners), and the role of assessment in early learning. Intended primarily for students planning to apply to the Early Childhood Education program.

0101	Elisa Klein	Seats (Total: 28)
	M 1:00pm - 3:45pm	EDU 1107

EDHD220 **Exploring Early Childhood General and Special Education**

EDHD220 *(PermReq)* **Exploring Early Childhood General and Special Education; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.

Students who are considering a career in education will consider information about the teaching profession. Students reflect on their personal strengths, identify areas of growth, and examine their predisposition to work with young children with and without disabilities. They will discuss the nature of teaching, the moral and philosophic underpinnings that influenced their decision to enter into the teaching professions, as well as the roles and responsibilities of teachers and the characteristics and qualities for effective teachers (teaching styles and teacher's primary role in the classroom). Intended primarily for students planning to apply to the Early Childhood Education Program. Allow an appropriate amount of time to travel from your on-campus class meetings to your off-campus experience.

0101	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0102	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0103	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0104	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0105	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 Literature in the Early Childhood Classroom; (3 credits) Grade Method: REG.
Restriction: Must be in Early Childhood Education program. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Susan Keightley W 1:30pm - 4:15pm	Seats (Total: 23) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Courtney Hattan TuTh 11:00am - 12:15pm	Seats (Total: 45) EDU 3315
0201	Alexis Williams MW 9:30am - 10:45am	Seats (Total: 52) TYD 0102

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Alexis Williams MW 2:00pm - 3:15pm	Seats (Total: 40) EDU 3315

EDHD315 **Reading in Early Childhood Classroom: Instruction and Materials Part II**

EDHD315 *(PermReq)* **Reading in Early Childhood Classroom: Instruction and Materials Part II; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314. Restriction: Must be in Early Childhood Education program.
This course builds on the theories and teaching strategies of EDHD314. Students will focus on teaching of reading and writing to primary grade students.

0101	Donald Bolger W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 32) EDU 1107

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Denis Dumas MW 11:00am - 12:15pm	Seats (Total: 45) EDU 1107
0201	Denis Dumas MW 9:30am - 10:45am	Seats (Total: 45) EDU 2119
0301	Robert Marcus TuTh 11:00am - 12:15pm	Seats (Total: 45) EDU 1107

0401	Jennie Lee-Kim MW 2:00pm - 3:15pm	Seats (Total: 45) PLS 1130
0501	Robert Marcus Tu 4:15pm - 7:00pm	Seats (Total: 40) CHE 2136

EDHD321 **The Young Child as Scientist**

EDHD321 *(PermReq)* **The Young Child as Scientist; (2 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: EDHD323, EDHD322, EDHD315, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and senior standing or higher.
Provides theoretical and practical knowledge for teaching science in early childhood classrooms. Appropriate teaching strategies and materials of instruction are presented for diverse settings. Includes field experience.

0101	Susan Keightley M 9:00am - 10:30am Contact instructor or department for details.	Seats (Total: 32) EDU 1107

EDHD322 **The Young Child as Mathematician**

EDHD322 *(PermReq)* **The Young Child as Mathematician; (3 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: EDHD323, EDHD322, EDHD315, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and senior standing or higher.
Engages early childhood education majors in mathematics as a creative process and dynamic way of thinking. Throughout this process students will acquire the pedagogical knowledge important to teaching mathematics in grades pre-K through 3. Includes field experience.

0101	Instructor: TBA W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 32) EDU 2121

EDHD323 **Children Study Their World**

EDHD323 *(PermReq)* **Children Study Their World; (2 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: EDHD322, EDHD315, EDHD321, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and senior standing or higher.
Provides a theoretical framework for pre-service teachers to understand and implement a developmentally appropriate social studies curriculum. The focus will be on methods of implementing theories of child development and curriculum, which foster higher level thinking skills in young children. Includes field experience.

0101	Elisa Klein W 11:15am - 12:45pm Contact instructor or department for details.	Seats (Total: 32) EDU 2121

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD.
GenEd: Distributive Studies - History and Social Sciences.
Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Tu 3:30pm - 6:15pm Contact instructor or department for details.	Seats (Total: 192) ASY 2203
0201	Elizabeth Robertson-Tchabo W 4:15pm - 7:15pm	Seats (Total: 40) EDU 2121

EDHD402 **Social Development**

EDHD402 Social Development; (3 credits) Grade Method: REG.
Recommended: EDHD411. Social Development. Critical concepts and ideas of the study of child and adolescent social development. Focus on changes in interpersonal relationships, emotions, achievement-related behavior and competence, and functioning within the broader social context.

0101	Kenneth Rubin TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 1121

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Natasha Cabrera Th 1:00pm - 3:45pm	Seats (Total: 40) EDU 0212
0201	Geetha Ramani Tu 1:00pm - 3:45pm *Restricted to Education majors only.*	Seats (Total: 40) EDU 3315

EDHD412 **Infant Development**

EDHD412 Infant Development; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Infant development across domains, including perceptual, motor, cognitive, language, social and emotional functioning from pre-natal through third year of life.

0101	Instructor: TBA Tu 9:30am - 12:15pm	Seats (Total: 25) EDU 0114

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844P, 08320, 0804L and 0804P.

0101	Allan Wigfield TuTh 11:00am - 12:15pm	Seats (Total: 40) TWS 0205
0201	Ann Battle Tu 9:30am - 12:15pm	Seats (Total: 40) EDU 2119

EDHD414 **Development of the Scientific Mind Across the Lifespan**

EDHD414 Development of the Scientific Mind Across the Lifespan; (3 credits) Grade Method: REG.
Recommended: EDHD320. Study of the educational, cognitive, social, and cultural factors that underlie the development of the scientific mind across the lifespan.

0101	Kevin Dunbar TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 0212

EDHD419A **Human Development and Learning in School Settings; Infancy and Preschool**

EDHD419A *(PermReq)* **Human Development and Learning in School Settings: Infancy and Preschool; (3 credits)** Grade Method: REG/AUD.
Allow an appropriate amount of time to travel from your on-campus class meetings to your off-campus experience.

0101	Brenda Jones Harden Tu 1:00pm - 3:45pm	Seats (Total: 25) JMZ 0105

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Kevin Dunbar TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1121

EDHD425 **Language Development and Reading Acquisition**

EDHD425 Language Development and Reading Acquisition; (3 credits) Grade Method: REG/AUD.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Section 0101 is restricted to education majors only. Section 0201 is restricted to Early Childhood Education majors, major code 0823P, 0823L only.

0101	Min Wang M 1:00pm - 3:45pm	Seats (Total: 40) EDU 0212
0201	Min Wang Th 4:15pm - 7:00pm	Seats (Total: 32) EDU 3315

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits) Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. Restriction: Must be a Secondary Education major.

0101	Christopher Ellis M 5:00pm - 7:45pm	Seats (Total: 45) EDU 3315
0201	Christopher Ascienzo Th 4:15pm - 7:00pm	Seats (Total: 40) TYD 1108

EDHD427 **Constructing and Integrating the Early Childhood Curriculum**

EDHD427 *(PermReq)* **Constructing and Integrating the Early Childhood Curriculum; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: EDHD323, EDHD322, EDHD315, EDHD321, and EDHD435. Restriction: Must be in Early Childhood Education program; and senior standing. Explores the world from the child's perspective and constructs curriculum based on cognition, learning, and children's experiences. The integrated curriculum is the overarching framework for this course. Includes field experience.

0101	Brenda Jones Harden M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 32) EDU 1121

EDHD430 **Adolescent Violence**

EDHD430 *(PermReq)* **Adolescent Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119

EDHD435 **Effective Components of the Early Childhood Classroom**

EDHD435 *(PermReq)* **Effective Components of the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: EDHD323, EDHD322, EDHD315, EDHD321, and EDHD427. Restriction: Must be in Early Childhood Education program; and senior standing or higher. Explores three topics integral to effective, child-centered early childhood classrooms: assessment, classroom management and parent involvement. Includes field experience.

0101	Christy Tirrell-Corbin M 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 32) EDU 2119

EDHD440 **Adult Development**

EDHD440 Adult Development; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: EDHD320; or permission of EDUC-Human Development and Quantitative Methodology department. Recommended: EDHD413. Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

0101	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 45) EDU 0212

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Patricia Alexander MW 12:30pm - 1:45pm	Seats (Total: 45) EDU 1121

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498Y **Special Problems in Education; Research Perspectives on Social & Emotional Development**

EDHD498Y *(PermReq)* **Special Problems in Education: Research Perspectives on Social & Emotional Development; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kenneth Rubin	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD600 **Introduction to Human Development and Child Study**
Contact department for information to register for this course.

EDHD617 **Achievement Motivation in Adolescence**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: REG/AUD.

0101	Natasha Cabrera	Seats (Total: 20)
	Meets September 2, 2014 - December 12, 2014	
	W 11:45am - 2:15pm	EDU 2119

EDHD662 **Research Methods in Education Settings**
Contact department for information to register for this course.

EDHD690 **History and Systems in Human Development**

EDHD690 History and Systems in Human Development; (3 credits) Grade Method: REG.
History of the field of human development; philosophical basis of major theoretical paradigms and contemporary research drawn from foundational traditions.

0101	Natasha Cabrera Th 9:30am - 12:15pm	Seats (Total: 17) EDU 1108

EDHD692 **Cognitive Basis of Instruction**
Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching: Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle F 1:00pm - 3:30pm	Seats (Total: 10) EDU 3233

EDHD720 **Social Development and Socialization Processes**

EDHD720 Social Development and Socialization Processes; (3 credits) Grade Method: REG/AUD.
This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course.

0101	Kathryn Wentzel Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits)
Grade Method: REG/AUD.
Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Instructor: TBA M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0202

EDHD722 **Learning Theory and the Educative Process**

EDHD722 Learning Theory and the Educative Process; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHD721; or permission of EDUC-Human Development and Quantitative Methodology department. Advanced study of theories, issues and research in several categories of cognition and learning applied to education and the helping professions.

0101	Patricia Alexander Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

EDHD798 *(PermReq)* **Laboratory in Human Development; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD835 **The Development of Achievement Motivation**

EDHD835 The Development of Achievement Motivation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHD830 or EDHD721; or permission of EDUC-Human Development and Quantitative Methodology department. Development of achievement motivation and how it relates to academic achievement during the elementary and secondary school years. Expectancy-value theory, attribution theory, self-efficacy theory, socialization of achievement motivation.

0101	Allan Wigfield	Seats (Total: 20)
	Th 4:15pm - 7:00pm	ASY 3221

EDHD888 **Apprenticeship in Human Development Research**

EDHD888 *(PermReq)* **Apprenticeship in Human Development Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

EDHD889 *(PermReq)* **Practicum in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Fall 2014

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; RACE/ETHNICITY**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: RACE/ETHNICITY; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Alison Mojto, Michelle Strange, Beth Cohen **Meets September 10, 2014 - October 22, 2014** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C
0201	Beth Cohen, Michelle Strange, Alison Mojto **Meets October 29, 2014 - December 10, 2014** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; GENDER**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: GENDER; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Benjamin Parks, Tricia Homer, Beth Cohen, Carlos Sepulveda **Meets September 9, 2014 - October 21, 2014** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338D **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; (DIS)ABILITY STORY CIRCLE**

EDHI338D *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: (DIS)ABILITY STORY CIRCLE; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Beth Cohen, Izetta Mobley **Meets September 11, 2014 - October 23, 2014** Th 4:30pm - 6:30pm	Seats (Total: 7) MMH 2411C

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; SEXUAL IDENTITY**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: SEXUAL IDENTITY; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Jacqueline Mac, Beth Cohen, Jeremy Gombin-Sperling **Meets September 8, 2014 - October 20, 2014** M 6:45pm - 8:45pm	Seats (Total: 14) MMH 2411C

EDHI338Q **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Queer Camp Story Circle**

EDHI338Q *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Queer Camp Story Circle; (1 credit)** Grade Method: REG/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Beth Cohen, Calvin Sweeney **Meets October 27, 2014 - December 11, 2014** Th 4:30pm - 6:30pm	Seats (Total: 10) MMH 2411C

EDHI338R **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; US BORN/INTERNATIONALLY BORN**

EDHI338R *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: US BORN/INTERNATIONALLY BORN; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Natalie Vinski, Naaz Khan, Tyler McClenithan, Beth Cohen **Meets September 8, 2014 - October 20, 2014** M 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338T **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; College Park Community/Campus**

EDHI338T *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: College Park Community/Campus; (1 credit)** Grade Method: REG/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Beth Cohen, Tricia Homer, Erik Hanson, Tyler McClenithan **Meets October 27, 2014 - December 8, 2014** W 6:00pm - 8:00pm	Seats (Total: 7) Location: TBA

EDHI338V **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Veteran/Non-Veteran**

EDHI338V *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Veteran/Non-Veteran; (1 credit)** Grade Method: REG/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Carlos Sepulveda, Erin McClure, Beth Cohen **Meets October 27, 2014 - December 8, 2014** M 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338X **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Ableism 101**

EDHI338X *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Ableism 101; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Beth Cohen, Izetta Mobley **Meets October 27, 2014 - December 8, 2014** Tu 4:30pm - 6:30pm	Seats (Total: 12) MMH 2411C

EDHI488E **Special Topics in Education Policy and Administration; Ecological Ethics and Education**

EDHI488E Special Topics in Education Policy and Administration: Ecological Ethics and Education; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jing Lin W 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI606 **Political Economy of Education in a Global Context**

EDHI606 Political Economy of Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI606, EDPL606, or EDPS606. Formerly: EDPL606.
Examination of alternative economics perspectives and their implications for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.

0101	Steven Klees	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	JMZ 3120

EDHI650 **Professional Seminar in Higher and Adult Education**

EDHI650 Professional Seminar in Higher and Adult Education; (3 credits) Grade Method: S-F.
Credit only granted for: EDHI650, EDPL650, or EDPS650. Formerly: EDPL650.
Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Sharon Fries-Britt	Seats (Total: 20)
	Th 4:15pm - 7:00pm	JMZ 3205

EDHI652 **Higher Education in American Society**

EDHI652 Higher Education in American Society; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI652, EDPL652, or EDPS652. Formerly: EDPL652.
Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.

0101	Alberto Cabrera	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 2119

EDHI664 **The College Experience**

EDHI664 The College Experience; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. And must be in a major within EDUC-Counseling, Higher Education and Special Education department; or must be in a major within EDUC-Education Policy and Leadership department; or must be in a major within EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDHI664, EDPL664, or EDPS664. Formerly: EDPL664. Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.

0101	Alberto Cabrera	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 3315

EDHI672 **Modes of Inquiry in Education Research**

EDHI672 Modes of Inquiry in Education Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672. Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Kristan Skendall	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 1121

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI682 **Ecological Ethics and Education**

EDHI682 Ecological Ethics and Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI682 or EDHI788E. Formerly: EDHI788E. An exploration of the paradigms, approaches, and ways of knowing offered through ecological ethics and environmental sustainability education.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1315

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI701 **Applied Research and Data Based Decision Making**

EDHI701 Applied Research and Data Based Decision Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: Introductory knowledge of statistics. Credit only granted for: EDHI701, EDPL701, or EDPS701. Formerly: EDPL701. Examines quantitative research methodologies and data systems used by ed ucation researchers and leaders to investigate, develop and improve scho ol policies and practices.

IH80	Thomas Davis	Seats (Total: 20)
	Meets October 24, 2014 - November 15, 2014	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	Contact instructor or department for details.	
	AAC/SMCPS EdD Outreach Program. Registration restricted to program participants.	

EDHI740 **Managing Educational Organizations in a Diverse Society**

EDHI740 Managing Educational Organizations in a Diverse Society; (3-6 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI740, EDPL740, or EDPS740. Formerly: EDPL740. Contemporary social and cultural influences that impact on the management of educational organizations in a diverse society. The effects on schools of changes in the economy, family structure, demographics and technology.

IH80	Stephanie Brown	Seats (Total: 20)
	Meets September 5, 2014 - October 4, 2014	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	AAC/SMCPS EdD Outreach Program. Registration restricted to program participants.	

EDHI752 **State Systems of Higher Education**

EDHI752 State Systems of Higher Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI752, EDPL752, or EDPS752. Formerly: EDPL752. Creation, operation, alteration and evaluation of state systems of higher education. Campus autonomy versus public accountability. Analysis of topics such as state planning, budget and program review, and administration of student aid and federal programs.

0101	Marvin Titus	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2101

EDHI754 **Higher Education Finance**

EDHI754 Higher Education Finance; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI754, EDPL754, or EDPS754. Formerly: EDPL754. Economic perspectives on higher education. Ways of financing higher education and current finance issues. Higher education budget concepts and processes.

0101	Marvin Titus	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 2102

EDHI767 **Seminar on School District Leadership**

EDHI767 Seminar on School District Leadership; (4 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI767, EDPL767, or EDPS767. Formerly: EDPL767. Examination of theory and research related to school district leadership. Focus on integration of organizational, political, community, instructional and ethical aspects of educational leadership.

IH40	Robert Muller **Meets September 5, 2014 - October 4, 2014** F 5:00pm - 8:00pm Sa 9:00am - 4:00pm *PGCPS Cohort II EdD Outreach Program. Registration restricted to progra participants.*	Seats (Total: 20) Location: TBA Location: TBA

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

EDHI888 Apprenticeship in Education; (1-8 credits) Grade Method: REG/AUD.

0101	Sharon Fries-Britt Contact instructor or department for details.	Seats (Total: 5)
3301	Nelly Stromquist Contact instructor or department for details.	Seats (Total: 10)
3501	Alberto Cabrera Contact instructor or department for details.	Seats (Total: 5)

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Fall 2014

EDMS410 **Classroom Assessment**

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Restriction: Junior standing or higher. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions. Restricted to Elementary Education majors with Junior standing and permission of instructor. Contact jfroh@umd.edu with questions.

0101	Kathryn Alvestad TuTh 9:30am - 10:45am	Seats (Total: 30) ONLINE
0201	Kathryn Alvestad TuTh 2:00pm - 3:15pm	Seats (Total: 30) ONLINE

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Gregory Hancock TuTh 2:00pm - 3:15pm	Seats (Total: 200) BRB 1101

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 Classroom Assessment and Evaluation; (3 credits) Grade Method: REG/AUD.
Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

0101	Kathryn Alvestad W 7:00pm - 9:45pm	Seats (Total: 20) ONLINE

EDMS623 **Applied Measurement: Issues and Practices**

EDMS623 Applied Measurement: Issues and Practices; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS410. And EDMS645; or students who have taken courses with comparable content may contact the department. Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

0101	Instructor: TBA Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1121

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Laura Stapleton MW 11:00am - 12:15pm	Seats (Total: 30) ASY 3203
0201	Instructor: TBA W 4:15pm - 7:00pm	Seats (Total: 30) EDU 2119

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Instructor: TBA W 4:15pm - 7:00pm	Seats (Total: 30) EDU 1107

EDMS647 **Introduction to Program Evaluation**

EDMS647 Introduction to Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Overview of the program evaluation process; problems encountered in the practice of program evaluation. Offered fall only.

0101	Kathryn Alvestad Tu 7:00pm - 9:45pm	Seats (Total: 20) ONLINE

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDMS657 **Factor Analysis**

EDMS657 Factor Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651. Development of models for factor analysis and their practical applications. Treatment of factor extraction, rotation, second-order factor analysis, and factor scores. Introduction to linear structural relations models.

0101	Gregory Hancock Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDMS738 **Seminar in Special Problems in Measurement**

EDMS738 Seminar in Special Problems in Measurement; (3 credits) Grade Method: REG/AUD.

0101	Ji Seung Yang M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0206

EDMS779 **Seminar in Applied Statistics; Mathematical Foundations and Simulation Techniques**

EDMS779 *(PermReq)* **Seminar in Applied Statistics: Mathematical Foundations and Simulation Techniques; (1-3 credits)** Grade Method: REG/AUD.

0101	Jeffrey Harring Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDMS798 **Special Problems in Education**

EDMS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Fall 2014

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EDU 2119

0201	Theodore Hartman TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 3315
0301	Steven Stakland MW 2:00pm - 3:15pm	Seats (Total: 30) SYM 0215

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Molly Dunn MW 9:30am - 10:45am	Seats (Total: 30) TWS 0234
0201	Steven Stakland MW 11:00am - 12:15pm	Seats (Total: 30) ASY 3207
0401	Steven Stakland TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMP 1202
0501	Kevin Shindel W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3233
0601	Ethan Hutt TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS620 **Education Policy Analysis**

EDPS620 Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI620, EDPL620, or EDPS620. Formerly: EDPL620. Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1107

EDPS635 **Principles of Curriculum Development**

EDPS635 Principles of Curriculum Development; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI635, EDPL635, or EDPS635. Formerly: EDPL635. Curriculum planning, improvement, and evaluation in the schools; principles for the selection and organization of the content and learning experiences; ways of working in classroom and school on curriculum improvement.

0101	Mary Snyder	Seats (Total: 20)
	W 4:15pm - 7:00pm	KNI 1105

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS735 **Phenomenological Inquiry I**

EDPS735 Phenomenological Inquiry I; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDHI735, EDPL735, or EDPS735. Formerly: EDPL735.* Philosophic grounding for phenomenological inquiry at a beginning level. Guided writing practice in doing phenomenological inquiry is provided on a selected lived experience phenomenon.

0101	Francine Hultgren	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0206

EDPS788G **Special Topics in Education Policy and Administration; Education, Society and Democracy:Critical Perspectives**

EDPS788G Special Topics in Education Policy and Administration: Education, Society and Democracy:Critical Perspectives; (3 credits) Grade Method: REG/AUD.

0101	Ethan Hutt	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3236

EDPS788J **Special Topics in Education Policy and Administration; Social Analysis of Urban Education**

EDPS788J Special Topics in Education Policy and Administration: Social Analysis of Urban Education; (3 credits) Grade Method: REG/AUD.

0101	Tirza Wilbon White	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0202

EDPS788P **Special Topics in Education Policy and Administration; Core I**

EDPS788P Special Topics in Education Policy and Administration: Core I; (3 credits) Grade Method: REG/AUD.

0101	Tirza Wilbon White, Betty Malen	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2119

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (3 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach Contact instructor or department for details.	Seats (Total: 10)
0201	Pam Splaine Contact instructor or department for details.	Seats (Total: 10)

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Fall 2014

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. GenEd: Diversity - Understanding Plural Societies.
Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470. Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 1107
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 40) ARC 1105
0301	Deirdre Barnwell, Carolyn Fink W 4:15pm - 7:00pm *Restricted to Early Childhood majors.*	Seats (Total: 20) EDU 0220

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

EDSP220 Disability in Community: Access, Accommodation, and Adaptation; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

0101	Carolyn Fink Th 2:30pm - 4:00pm Tu 3:00pm - 5:00pm	Seats (Total: 28) EDU 3236 Location: TBA	 Lab

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Peter Leone Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) EDU 1121 EDU 1121	 Discussion
0102	Peter Leone Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) EDU 1121 EDU 3315	 Discussion

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham MW 5:00pm - 6:15pm	Seats (Total: 30) TYD 0111	
0201	Michael Dunham MW 6:15pm - 7:30pm	Seats (Total: 30) TYD 0111	
0301	Michael Dunham MW 3:45pm - 5:00pm	Seats (Total: 30) TYD 0111	
0401	Shannon Negussie M 5:00pm - 7:30pm	Seats (Total: 30) EDU 0212	

EDSP400 **Functional Assessment and Instruction in Special Education**

EDSP400 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP602. Credit only granted for: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Frances Kohl W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121
0201	Frances Kohl M 1:15pm - 4:00pm	Seats (Total: 40) EDU 0206

EDSP402 **Field Placement: Severe Disabilities I**

EDSP402 Field Placement: Severe Disabilities I; (2-5 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Practicum experience in settings serving students with severe disabilities.

0101	Frances Kohl Contact instructor or department for details.	Seats (Total: 10)

EDSP404 **Education of Students with Autism Spectrum Disorders**

EDSP404 *(PermReq)* **Education of Students with Autism Spectrum Disorders; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP604. Credit only granted for: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students with autism spectrum disorders.

0101	Jennifer Lee, Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 35) EDU 2119

EDSP411 **Universal Design for Learning**

EDSP411 *(PermReq)* **Universal Design for Learning; (3 credits)** Grade Method: REG.
Prerequisite: EDSP210 or EDSP470. Restriction: Must be in Special Education program. Universal Design for Learning addresses a foundation framework for teacher candidates to learn how to design and implement instruction for a broad range of students with diverse needs rather than rely exclusively on accommodations to instruction for some students.

0101	Debra Neubert F 9:00am - 11:45am	Seats (Total: 40) EDU 2119

EDSP413 **Behavior and Classroom Management in Special Education**

EDSP413 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP613. Credit only granted for: EDSP413, or EDSP613. Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.

0101	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 2119

EDSP420 **Characteristics of Infants & Young Children: Early Childhood Special Education**

EDSP420 Characteristics of Infants & Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHD210 and EDHD220. Corequisite: EDHD425 and EDHD314. Restriction: Must be in Special Education program. Child development theory and research, as well as knowledge about typical and atypical development of children from birth to three years of age. The course emphasizes learning for children with and without disabilities, and for children who are at risk due to poverty and other environmental factors. The course will introduce how children develop and the challenges they face within the domains of physical, cognitive, language, social, and emotional development, with particular attention paid to the impact of risk factors on development. Students will become familiar with delays and differences in development that may occur as the result of disability. Finally, students will learn the effects of cultural and linguistic differences on growth and development. Information about theory and research in child development for children with and without disabilities will be enhanced through a series of observational experiences, which will build upon concepts addressed during class. Includes field experiences. Practicum required. Placement arranged for students not concurrently enrolled in EDSP 421.

0101	Sandra Newcomb, Paula Beckman	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 0212

EDSP421 **Field Placement in Special Education: Early Childhood I**

EDSP421 Field Placement in Special Education: Early Childhood I; (2-4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Field experience I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Instructor: TBA	Seats (Total: 15)	
	F 10:30am - 12:00pm	EDU 1107	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP422 **Curriculum and Instruction: Early Childhood Special Education**

EDSP422 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP627. Credit only granted for: EDSP422 or EDSP627. Curriculum and instruction for young children with mild and moderate disabilities, preschool through primary grades.

0101	Joan Lieber	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0114

EDSP434 **Field Placement in Special Education: Secondary Middle I**

EDSP434 Field Placement in Special Education: Secondary Middle I; (2-4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Special Education program. Field experience in secondary middle special education.

0101	Instructor: TBA	Seats (Total: 15)	
	F 10:30am - 12:00pm	EDU 1107	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP451 **Curriculum and Instruction: Elementary/Middle Special Education**

EDSP451 Curriculum and Instruction: Elementary/Middle Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP652. Credit only granted for: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Instructor: TBA	Seats (Total: 25)
	Th 1:15pm - 4:00pm	JMZ 0105

EDSP452 **Field Placement in Special Education: Elementary I**

EDSP452 Field Placement in Special Education: Elementary I; (2-4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Special Education program. Field experience in elementary special education.

0101	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 15) EDU 1107 Location: TBA	Lab
0201	Rebecca Silverman F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 15) EDU 1107 Location: TBA	Lab

EDSP466 **Issues and Models of Instruction: Middle/Secondary Special Education**

EDSP466 Issues and Models of Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP664. Credit only granted for: EDSP466 or EDSP664. Issues, legislation, and service models in middle/secondary special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert Tu 1:15pm - 4:00pm	Seats (Total: 25) EDU 3233

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/AUD.
GenEd: Diversity - Understanding Plural Societies.
Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 50) EDU 0212
0201	Deirdre Barnwell, Carolyn Fink W 4:15pm - 7:00pm *This section restricted to Early Childhood students only.*	Seats (Total: 35) EDU 0220

EDSP477 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP477 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP677. Credit only granted for: EDSP477 or EDSP677. Methods and assessment practices for effective instruction in middle and secondary content areas for students in special education. The first five weeks of class are on campus. The remaining classes will be at a local school off campus as part of a weekly supervised tutoring clinic experience. Plan for appropriate travel time transitioning from on-campus to the local school tutoring experience.

0101	Jade Wexler Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 3233

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed or be concurrently enrolled in EDHD426. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP682. Credit only granted for: EDSP482 or EDSP682. Provides approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Jade Wexler M 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

EDSP484 **Reading and Writing Instruction in Special Education II**

EDSP484 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP416. Restriction: Must be in Special Education program. Also offered as: EDSP684. Credit only granted for: EDSP484 or EDSP684. Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Ana Taboada Barber Tu 1:15pm - 4:00pm	Seats (Total: 40) EDU 0212

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advising; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Shannon Hayes F 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 15) EDU 2101

EDSP602 **Functional Assessment and Instruction in Special Education**

EDSP602 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP400. Credit only granted for: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Frances Kohl W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121
0201	Frances Kohl M 1:15pm - 4:00pm	Seats (Total: 40) EDU 0206

EDSP604 **Education of Students with Autism Spectrum Disorder**

EDSP604 *(PermReq)* **Education of Students with Autism Spectrum Disorder; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP604, EDSP604. Credit only granted for: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic or having a pervasive development disorder.

0101	Andrew Egel, Jennifer Lee M 4:15pm - 7:00pm	Seats (Total: 35) EDU 2119

EDSP613 **Behavior and Classroom Management in Special Education**

EDSP613 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program; or permission of instructor. Also offered as: EDSP413. Credit only granted for: EDSP413 or EDSP613. Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.

0101	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 2119
IH15	Susan Mason **Meets September 2, 2014 - December 9, 2014** Tu 6:00pm - 8:45pm	Seats (Total: 20) Location: TBA

EDSP625 **Seminar on Severely Handicapping Conditions**

EDSP625 *(PermReq)* **Seminar on Severely Handicapping Conditions; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Research and theories relevant to the education of severely handicapped individuals.

0101	Frances Kohl M 7:00pm - 9:45pm	Seats (Total: 15) EDU 1315

EDSP626 **Characteristics of Infants and Young Children: Early Childhood Special Education**

EDSP626 Characteristics of Infants and Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP420. Credit only granted for: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. For EDSP majors only.

0101	Paula Beckman, Sandra Newcomb	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 0212

EDSP627 **Curriculum and Instruction: Early Childhood Special Education**

EDSP627 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP422. Credit only granted for: EDSP422 or EDSP627. Curriculum and instructor for young children with mild and moderate disabilities, preschool through primary grades. For EDSP majors only.

0101	Joan Lieber	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0114

EDSP652 **Curriculum and Instruction: Elementary Special Education**

EDSP652 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP652, EDSP652. Credit only granted for: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included. For EDSP majors only.

0101	Instructor: TBA	Seats (Total: 25)
	Th 1:15pm - 4:00pm	JMZ 0105

EDSP664 **Issues and Models:Secondary/Middle Special Education**

EDSP664 *(PermReq)* **Issues and Models:Secondary/Middle Special Education; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP466. Credit only granted for: EDSP466 or EDSP664. Issues, legislation, and service models in secondary/middle special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert Tu 1:15pm - 4:00pm	Seats (Total: 25) EDU 3233

EDSP671 **Qualitative Methodologies in Special Education**

EDSP671 Qualitative Methodologies in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Design and evaluation of qualitative research in special education across disabilities and ages.

0101	Paula Beckman W 3:30pm - 6:15pm	Seats (Total: 15) EDU 2102
0201	Paula Beckman Contact instructor or department for details. *Contact instructor for class schedule.*	Seats (Total: 5)

EDSP677 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP677 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP477. Credit only granted for: EDSP477 or EDSP677. Methods and assessment practicies for effective instruction in middle and secondary content areas for students in special education. For EDSP majors only. The first five weeks of class are on campus. The remaining classes will be at a local school off campus as part of a weekly supervised tutoring clinic experience. Plan for appropriate travel time transitioning from on-campus to the local school tutoring experience.

0101	Jade Wexler Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 3233

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits)
Grade Method: REG/AUD.
Also offered as: EDSP482. Credit only granted for: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly: EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Jade Wexler	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1315

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP485. Credit only granted for: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

IH17	Jason Miller, Carolyn Fink	Seats (Total: 18)
	Meets October 17, 2014 - November 22, 2014	
	F 6:30pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education in Germany Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	

EDSP684 **Reading and Writing Instruction in Special Education II**

EDSP684 Reading and Writing Instruction in Special Education II; (3 credits)
Grade Method: REG.
Prerequisite: EDSP616. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP484. Credit only granted for: EDSP484 or EDSP684. Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Ana Taboada Barber Tu 1:15pm - 4:00pm	Seats (Total: 40) EDU 0212	

EDSP687 **Family Partnerships in Special Education**

EDSP687 Family Partnerships in Special Education; (3 credits) Grade Method: REG.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP487. Credit only granted for: EDSP487 or EDSP687. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 25) EDU 2101	
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315	
IH15	Sandra Newcomb M 4:30pm - 7:00pm *ASDs Outreach Program. Registration restricted to program participants.*	Seats (Total: 20) Location: TBA	

EDSP691 **Graduate Internship in Special Education I: Early Childhood**

EDSP691 Graduate Internship in Special Education I: Early Childhood; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP431 and EDSP691. Formerly: EDSP431. Internship I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Carol Holland, Stacey Williams, Anne Butler F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0206 Location: TBA	 Lab

EDSP692 **Graduate Internship in Special Education I: Elementary**

EDSP692 Graduate Internship in Special Education I: Elementary; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP456 or EDSP692. Formerly: EDSP456. Internship I in elementary special education.

0101	Elizabeth Halloran-Tornquist, Anne Butler, Patricia Ulf F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 15) EDU 3233 Location: TBA	Lab
0201	Patricia Ulf, Elizabeth Halloran-Tornquist F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 15) EDU 3233 Location: TBA	Lab

EDSP693 **Graduate Internship in Special Education I: Secondary Middle**

EDSP693 Graduate Internship in Special Education I: Secondary Middle; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP436 or EDSP693. Formerly: EDSP436. Internship I in secondary middle special education.

0101	Patricia Ulf F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 20) EDU 3236 Location: TBA	Lab

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP798J **Special Problems in Special Education; Family Project**

EDSP798J Special Problems in Special Education: Family Project; (2 credits) Grade Method: REG/AUD.

IH17	Paula Beckman	Seats (Total: 18)
	Meets October 3, 2014 - October 11, 2014	
	F 6:30pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education in Germany Outreach Program. Registration restricted o program particiopants. Department permission required,	

EDSP798L **Special Problems in Special Education; Evidence Based Practices for Special Education: Graduate Internship**

EDSP798L Special Problems in Special Education: Evidence Based Practices for Special Education: Graduate Internship; (2 credits) Grade Method: REG/AUD.

IH17	Patricia Jamison	Seats (Total: 6)
	Contact instructor or department for details.	
	Special Education in Germany Outreach Program. Registration restricted to program participants.	

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Special education majors only.

Contact department for information to register for this course.

EDSP875 **Policy Issues Affecting Individuals with Disabilities**

EDSP875 *(PermReq)* **Policy Issues Affecting Individuals with Disabilities; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. An analysis of current educational and disability issues and policies pertaining to children, youth, and adults with disabilities. Restricted doctoral students in EDUC or permission of instructor.

0101	Philip Burke	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0202

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2014

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experience In College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Eacho W 5:00pm - 7:00pm Contact instructor or department for details. *Section restricted to students approved as undergraduate teaching assistants. Section 0101 and 0102 are reserved for standard UTA program and should be taken concurrently with EDUC 498, 0101 for one credit.*	Seats (Total: 30) TWS 1107
0102	Thomas Eacho Tu 5:00pm - 7:00pm Contact instructor or department for details. *Section restricted to students approved as undergraduate teaching assistants. Section 0101 and 0102 are reserved for standard UTA program and should be taken concurrently with EDUC 498, 0101 for one credit.*	Seats (Total: 30) ASY 3215
0202	Instructor: TBA W 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 0102
0203	Gerry Strumpf Tu 3:30pm - 5:30pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 0102
0401	Sharon Vanwright Contact instructor or department for details. Contact instructor or department for details. *Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.*	Seats (Total: 20)
0501	Alicia Thomas, Stacy Woycheck Th 4:00pm - 5:30pm Contact instructor or department for details. *Relates to the standard UTA program and is restricted to Life Science students only.*	Seats (Total: 20) SYM 1110
SG91	Mary Gallagher, Tirza Bartels M 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students in the Guided Study Sessions (GSS program at the Universities at Shady Grove). Prerequisite: Permission of the Associate Director of the Center for Academic Success (CAS) at USG.*	Seats (Total: 12) Location: TBA

EDUC388H **Special Topics in Education; Honors Synthesis Seminar**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program. For additional information contact Christy Tirrell-Corbin at her e-mail address, ctc@umd.edu.

0101	Christy Tirrell-Corbin M 4:15pm - 6:15pm	Seats (Total: 20) EDU 1121

EDUC498 **Selected Topics in Education**

EDUC498 *(PermReq)* **Selected Topics in Education; (1-3 credits)** Grade Method: REG.

0101	Thomas Eacho Contact instructor or department for details.	Seats (Total: 60)

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Course restricted to students admitted to College of Education honors program.

0101	Christy Tirrell-Corbin Contact instructor or department for details.	Seats (Total: 14)

EDUC888 **Applied Apprenticeship in Education**

EDUC888 Applied Apprenticeship in Education; (1-3 credits) Grade Method: REG/AUD.

IH81	Margaret McLaughlin Contact instructor or department for details. *AAC/SMCPS EdD Outreach Program. Registration restricted to program participants.*	Seats (Total: 10)
IH82	Patricia Richardson Contact instructor or department for details. *AAC/SMCPS EdD Outreach Program. Registration restricted to program participants.*	Seats (Total: 10)

IH84	David Imig	Seats (Total: 10)
	Contact instructor or department for details.	
	AAC/SMCPS EdD Outreach Program. Registration restricted to program participants.	

EDUC888A **Applied Apprenticeship in Education; Apprenticeship in Scholarly Writing**

EDUC888A Applied Apprenticeship in Education: Apprenticeship in Scholarly Writing; (2 credits) Grade Method: REG/AUD.

IH40	Thomas Davis	Seats (Total: 20)
	Meets November 21, 2014 - December 13, 2014	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	PGCPS Cohort II EdD Outreach Program. Registration restricted to progra participants.	

EDUC888B **Applied Apprenticeship in Education; Dissertation in Practice Process**

EDUC888B Applied Apprenticeship in Education: Dissertation in Practice Process; (2 credits) Grade Method: REG/AUD.

IH40	Margaret McLaughlin	Seats (Total: 20)
	Meets October 17, 2014 - November 1, 2014	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	PGCPS Cohort II EdD Outreach Program. Registration restricted to progra participants.	

EDUC898 **Pre-Candidacy Research**

EDUC898 Pre-Candidacy Research; (2-4 credits) Grade Method: REG.

IH41	Margaret McLaughlin, John Norris	Seats (Total: 10)
	Contact instructor or department for details.	
	PGCPS 1 EdD Outreach Program. Registration restricted to program participants.	
IH43	Thomas Davis	Seats (Total: 3)
	Contact instructor or department for details.	
	PGCPS 1 EdD Outreach Program. Registration restricted to program participants.	

IH44	David Imig	Seats (Total: 3)
	Contact instructor or department for details.	
	PGCPS 1 EdD Outreach Program. Registration restricted to program participants.	
IH45	Stephanie Brown	Seats (Total: 1)
	Contact instructor or department for details.	
	PGCPS 1 EdD Outreach Program. Registration restricted to program participants.	

ENAE Engineering, Aerospace Fall 2014

ENAE100 **The Aerospace Engineering Profession**

ENAE100 *(PermReq)* **The Aerospace Engineering Profession; (1 credit)** Grade Method: REG/P-F/AUD.
Recommended: ENES100 and MATH140. Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	Instructor: TBA	Seats (Total: 105)
	Tu 12:30pm - 1:45pm	EGR 1202

ENAE283 **Introduction to Aerospace Systems**

ENAE283 Introduction to Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Mary Bowden	Seats (Total: 88)
	TuTh 9:30am - 10:45am	CHE 2110

ENAE283H **Introduction to Aerospace Systems**

ENAE283H *(PermReq)* **Introduction to Aerospace Systems; (3 credits)** Grade Method: REG.
Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Alison Flatau TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 1110	

ENAE301 **Dynamics of Aerospace Systems**

ENAE301 Dynamics of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENAE202, ENES102, and MATH241. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) CHE 2110 EGR 0312	 Lab
0102	Instructor: TBA TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 25) CHE 2110 EGR 0312	 Lab
0103	Instructor: TBA TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 25) CHE 2110 KEB 2111	 Lab
0104	Instructor: TBA TuTh 12:30pm - 1:45pm F 4:00pm - 4:50pm	Seats (Total: 25) CHE 2110 KEB 2111	 Lab

ENAE311 **Aerodynamics I**

ENAE311 Aerodynamics I; (3 credits) Grade Method: REG.
Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Pino Martin	Seats (Total: 85)
	TuTh 9:30am - 10:45am	CHE 2108

ENAE311H **Aerodynamics I**

ENAE311H *(PermReq)* **Aerodynamics I; (3 credits)** Grade Method: REG/P-F.
Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Christopher Cadou	Seats (Total: 17)
	TuTh 9:30am - 10:45am	EGR 3102

ENAE324 **Aerospace Structures**
Contact department for information to register for this course.

ENAE362 **Aerospace Instrumentation and Experimentation**

ENAE362 Aerospace Instrumentation and Experimentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and ENAE283. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher. Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Allen Winkelmann MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0102	Allen Winkelmann MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0103	Allen Winkelmann MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0104	Allen Winkelmann MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0105	Allen Winkelmann MW 1:00pm - 1:50pm W 9:00am - 12:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

ENAE380 Flight Software Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE283 and ENAE202. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher.* Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles. Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

0101	Anthony Banes MW 12:00pm - 12:50pm F 9:00am - 10:50am	Seats (Total: 25) CHE 2110 EGR 0312	 Lab
0102	Anthony Banes MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 25) CHE 2110 EGR 0312	 Lab
0103	Anthony Banes MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 25) CHE 2110 KEB 2107	 Lab
0104	Anthony Banes MW 12:00pm - 12:50pm M 9:00am - 10:50am	Seats (Total: 25) CHE 2110 KEB 2107	 Lab

ENAE398H **Honors Research Project**

ENAE398H *(PermReq)* **Honors Research Project; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

ENAE403 Aircraft Flight Dynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE414 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	Imraan Faruque TuTh 3:30pm - 4:45pm	Seats (Total: 68) EGR 1202

ENAE423 **Vibration and Aeroelasticity**

ENAE423 Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Ananth Musurapakam Virakthi MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 33) CHE 2110 CHE 2110
0102	Andrew Becnel MWF 11:00am - 11:50am	Seats (Total: 33) EGR 0108

ENAE423H **Vibration and Aeroelasticity**

ENAE423H Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Norman Wereley MWF 11:00am - 11:50am	Seats (Total: 26) KEB 1200

ENAE441 **Space Navigation and Guidance**

ENAE441 Space Navigation and Guidance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE404 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.

0101	Liam Healy	Seats (Total: 42)
	TuTh 9:30am - 10:45am	EGR 0110

ENAE455 **Aircraft Propulsion and Power**

ENAE455 Aircraft Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisite: ENES232, ENAE414, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Kenneth Yu	Seats (Total: 70)
	TuTh 12:30pm - 1:45pm	PLS 1130

ENAE457 **Space Propulsion and Power**

ENAE457 Space Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisite: PHYS271, ENES232, PHYS270, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And senior standing. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Raymond Sedwick	Seats (Total: 42)
	TuTh 2:00pm - 3:15pm	EGR 0110

ENAE481 **Principles of Aircraft Design**

ENAE481 Principles of Aircraft Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE324, ENAE362, and ENAE432. Corequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

0101	Dominic Palumbo	Seats (Total: 68)
	MWF 2:00pm - 2:50pm	JMP 3201

ENAE483 **Principles of Space Systems Design**

ENAE483 Principles of Space Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE404, ENAE324, ENAE362, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin, Andrew Becnel	Seats (Total: 42)
	TuTh 11:00am - 12:15pm	EGR 3106

ENAE488I **Topics in Aerospace Engineering; Wind Energy Theory**

ENAE488I *(PermReq)* **Topics in Aerospace Engineering: Wind Energy Theory; (3 credits)** Grade Method: REG/P-F/AUD.
ENAE414 or permission of department. Also offered as ENAE788I. Credit granted for ENAE488I or ENAE788I. An overview of wind energy including: history, wind characteristics, aerodynamics, dynamics, control, electrical aspects, materials and components, electrical aspects, design, testing, siting and applications.

0101	James Baeder	Seats (Total: 25)
	TuTh 9:30am - 10:45am	BPS 1238

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

ENAE601 Astrodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE404 and ENAE441. Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

0101	Instructor: TBA MW 3:00pm - 4:15pm	Seats (Total: 25) EGR 0135

ENAE631 **Helicopter Aerodynamics I**

ENAE631 *(PermReq)* **Helicopter Aerodynamics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE414 and ENAE311. Or permission of ENGR-Aerospace Engineering department; and permission of instructor. A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Shreyas Ananthan Tu 4:00pm - 6:30pm	Seats (Total: 20) JMP 2222
DE01	Shreyas Ananthan Class time/details on ELMs *For Sikorsky students.*	Seats (Total: 18) ONLINE
HT01	Shreyas Ananthan Tu 4:00pm - 6:30pm	Seats (Total: 5) Location: TBA

SG01	Shreyas Ananthan Tu 4:00pm - 6:30pm	Seats (Total: 5) Location: TBA
SM01	Shreyas Ananthan Tu 4:00pm - 6:30pm	Seats (Total: 5) Location: TBA
TV01	Shreyas Ananthan Tu 4:00pm - 6:30pm	Seats (Total: 0) ONLINE

ENAE641 **Linear System Dynamics**

ENAE641 Linear System Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE432.* Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

0101	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMP 2216
HT01	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
SG01	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
SM01	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
TV01	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ENAE651 **Smart Structures**

ENAE651 Smart Structures; (3 credits) Grade Method: REG/AUD.
Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostricter actuators and fiber optic sensors. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 15) JMP 2216
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 10) Location: TBA
TV01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 10) Location: TBA

ENAE655 **Structural Dynamics**

ENAE655 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

0101	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 25) JMP 2222
HT01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 4) Location: TBA
SG01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 4) Location: TBA
SM01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 4) Location: TBA
TV01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 5) Location: TBA

ENAE667 **Advanced Space Propulsion and Power**

ENAE667 Advanced Space Propulsion and Power; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE663. Restriction: Permission of instructor. Advanced treatment of selected space propulsion and power technologies, methods of analysis and performance estimation. Topics will vary each year as time permits, but may include cold gas systems, chemical, nuclear, arcjets, beamed energy, and electric propulsion systems, as well as other advanced concepts.

0101	Raymond Sedwick	Seats (Total: 15)
	Tu 5:00pm - 7:30pm	PLS 1164

ENAE672 **Unsteady and Inviscid Aerodynamics**

ENAE672 Unsteady and Inviscid Aerodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE414; and permission of instructor. Advanced fundamentals of unsteady and inviscid flows including complex potential, Euler's and Bernoulli's equations, transient flows, three-dimensional flows, vortex dynamics, and applications to wing theory.

0101	Anya Jones	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	EGR 3111

ENAE681 **Engineering Optimization**

ENAE681 Engineering Optimization; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Aerospace Engineering department. Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and systems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis.

0101	Roberto Celi	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 3114

ENAE682 **Hypersonic Aerodynamics**

ENAE682 Hypersonic Aerodynamics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Aerospace Engineering department. Hypersonic shock and expansion waves, Newtonian theory, Mach methods, numerical solutions to hypersonic inviscid flows, hypersonic boundary layer theory, viscous interactions, numerical solutions to hypersonic viscous flows. Applications to hypersonic vehicles.

0101	Stuart Laurence TuTh 12:30pm - 1:45pm	Seats (Total: 15) EGR 1110

ENAE684 **Computational Fluid Dynamics I**

ENAE684 *(PermReq)* **Computational Fluid Dynamics I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Aerospace Engineering department. Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2116

ENAE694 **Spacecraft Communications**

ENAE694 Spacecraft Communications; (3 credits) Grade Method: REG/AUD.
Brief overview of satellite orbits. Radio frequency communications, noise, and bandwidth limitations. Link budget analysis. Modulation and multiplexing approaches, multiple access systems. Satellite transponder and Earth station technology.

0101	David Israel MW 5:00pm - 6:15pm	Seats (Total: 15) JMP 2216
HT01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 1) Location: TBA
SG01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 1) Location: TBA
SM01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 1) Location: TBA

TV01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 1) Location: TBA

ENAE696 **Spacecraft Thermal Design**

ENAE696 Spacecraft Thermal Design; (3 credits) Grade Method: REG/AUD. Thermal sources in space. Black-body radiation; absorptivity and emissivity; radiative thermal equilibrium. Mutually radiating plates, view angles, and interior conduction. Techniques of spacecraft thermal analysis; approaches to passive and active thermal control.

0101	Eric Silk TuTh 6:30pm - 7:45pm	Seats (Total: 20) EGR 3114

ENAE788A **Selected Topics in Aerospace Engineering; Fundamentals of Explosions: Natural, Accidental, and Controlled**

ENAE788A *(PermReq)* **Selected Topics in Aerospace Engineering: Fundamentals of Explosions: Natural, Accidental, and Controlled; (3 credits)** Grade Method: REG/AUD.

0101	Elaine Oran MW 2:00pm - 3:15pm	Seats (Total: 10) JMP 2216

ENAE788B **Selected Topics in Aerospace Engineering; Aircraft Systems Identification**

ENAE788B Selected Topics in Aerospace Engineering: Aircraft Systems Identification; (3 credits) Grade Method: REG/AUD.

HT01	Eugene Morelli MW 8:30am - 9:45am	Seats (Total: 5) Location: TBA
SG01	Eugene Morelli MW 8:30am - 9:45am	Seats (Total: 5) Location: TBA
SM01	Eugene Morelli MW 8:30am - 9:45am	Seats (Total: 5) Location: TBA
TV01	Eugene Morelli MW 8:30am - 9:45am	Seats (Total: 15) JMP 2222

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

ENAE788D Selected Topics in Aerospace Engineering: Advanced Space Systems Design; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 10) EGR 3106

ENAE788I **Selected Topics in Aerospace Engineering; Wind Energy Theory**

ENAE788I Selected Topics in Aerospace Engineering: Wind Energy Theory; (1-3 credits) Grade Method: REG/AUD.

0101	James Baeder TuTh 9:30am - 10:45am	Seats (Total: 25) BPS 1238

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

ENAE788K Selected Topics in Aerospace Engineering: Estimation and Control of Stochastic Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMP 2202

ENAE788N **Selected Topics in Aerospace Engineering; Near-Earth Object Exploration**

0101	Brent Barbee MW 5:00pm - 6:15pm	Seats (Total: 10) EGR 2116

ENAE788X **Selected Topics in Aerospace Engineering; Planetary Surface Robotics**

ENAE788X Selected Topics in Aerospace Engineering: Planetary Surface Robotics; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMP 2216
HT01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

SG01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) ONLINE

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Fall 2014

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker F 1:00pm - 1:50pm	Seats (Total: 132) CHM 1402

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Elise Miller-Hooks, Frank White, Jianguo Ma MW 2:00pm - 3:15pm	Seats (Total: 38) JMP 2202
0201	Jianguo Ma, Frank White, Elise Miller-Hooks MW 3:30pm - 4:45pm	Seats (Total: 38) JMP 2202

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203. Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 39) TYD 2111

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Meng Hu TuTh 8:00am - 9:15am	Seats (Total: 70) CSI 2117	

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications. Restricted to students in the College of Engineering.

0102	Instructor: TBA W 1:00pm - 2:50pm Th 12:30pm - 2:30pm	Seats (Total: 15) CCC 1111 EGL 0110A	 Lab
0103	Instructor: TBA W 1:00pm - 2:50pm Th 2:30pm - 4:30pm	Seats (Total: 15) CCC 1111 EGL 0110A	 Lab
0104	Instructor: TBA W 1:00pm - 2:50pm Th 4:30pm - 6:30pm	Seats (Total: 15) CCC 1111 EGL 0110A	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data. Restricted to students in the College of Engineering.

0101	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 55) PHY 1204

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENES220, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Kaye Brubaker MWF 8:00am - 8:50am	Seats (Total: 40) EGR 3106
0102	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 43) EGR 0110

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Natasha Andrade	Seats (Total: 66)
	TuTh 8:00am - 9:15am	PLS 1130

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control. Restricted to students in the College of Engineering.

0101	Scott Macrae	Seats (Total: 108)
	M 5:00pm - 7:45pm	EGR 1202

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek TuTh 9:30am - 10:45am	Seats (Total: 50) PLS 1140

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220). The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses. Restricted to students in the College of Engineering.

0101	Mark Austin MWF 9:00am - 9:50am	Seats (Total: 60) CSI 3117

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 *(PermReq)* **Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani TuTh 9:30am - 10:45am	Seats (Total: 40) EGR 1156
0102	Ali Haghani TuTh 11:00am - 12:15pm	Seats (Total: 35) EGR 1156

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENCE201, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis. Restricted to students in the College of Engineering.

0101	Cinzia Cirillo MWF 1:00pm - 1:50pm	Seats (Total: 60) CSI 2117	

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Alba Torrents TuTh 11:00am - 11:50am W 10:00am - 1:00pm	Seats (Total: 12) EGR 1102 Location: TBA	 Lab
0102	Alba Torrents TuTh 11:00am - 11:50am W 1:00pm - 4:00pm	Seats (Total: 12) EGR 1102 Location: TBA	 Lab

ENCE420 **Selection and Utilization of Construction Equipment**

ENCE420 *(PermReq)* **Selection and Utilization of Construction Equipment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Senior standing. Construction equipment for excavation, hauling, lifting, structural assembly, paving, and allied functions. Fundamentals of equipment performance, productivity calculations, and cost management. Matching of construction tasks to appropriate construction equipment. Innovative technologies in equipment design and performance. Information technology and automation for construction equipment. Field demonstrations of earth-moving and lifting equipment.

0101	Miroslaw Skibniewski M 3:30pm - 6:15pm	Seats (Total: 45) EGR 0110

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Instructor: TBA Th 5:00pm - 7:30pm	Seats (Total: 60) CHE 2108

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 *(PermReq)* **Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules. Restricted to students in the College of Engineering.

0101	Kenneth O'Connell	Seats (Total: 100)
	Tu 5:00pm - 7:30pm	KEB 1110

ENCE424 **Communication for Project Managers**

ENCE424 Communication for Project Managers; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Project Management minor; or must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department. The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	William Brantley	Seats (Total: 75)
	Tu 5:00pm - 7:30pm	CSI 2117

ENCE426 **Construction Documentation and BIM Applications in Engineering and Construction**

ENCE426 *(PermReq)* **Construction Documentation and BIM Applications in Engineering and Construction; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE200; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management Minor program; or permission of ENGR-Civil & Environmental Engineering department. Basics of construction documentation methods, with particular emphasis on Building Information Modeling (BIM). Assembly, coordination, and maintenance of construction documents and implementation of BIM techniques in the design and construction processes. Lectures from project management faculty supplemented by guest lecturers from the construction industry.

0101	Jason Dreher	Seats (Total: 40)
	W 5:00pm - 7:30pm	CSI 2107

ENCE432 **Ground Water Hydrology**

ENCE432 *(PermReq)* **Ground Water Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department. Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced. Restricted to students in the College of Engineering.

0101	Yaron Sternberg	Seats (Total: 42)
	MWF 9:00am - 9:50am	EGR 3106

ENCE441 **Foundation Design**

ENCE441 *(PermReq)* **Foundation Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department. Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts. Restricted to students in the College of Engineering.

0101	Mohamed Aggour TuTh 2:00pm - 3:15pm	Seats (Total: 70) EGR 1202	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Ahmet Aydilek, Yunfeng Zhang Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 15) EGR 0135 EGL 0110E	 Lab
0201	Yunfeng Zhang, Ahmet Aydilek Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 15) PLS 1158 MTH 0104	 Lab

ENCE454 **Design of Concrete Structures**

ENCE454 *(PermReq)* **Design of Concrete Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Formerly: ENCE451. Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Amde Amde MWF 11:00am - 11:50am	Seats (Total: 45) EGR 0110	
0201	Amde Amde MWF 10:00am - 10:50am	Seats (Total: 35) EGR 0108	

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG/AUD. CORE Capstone (CS) Course.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills. Restricted to students in the College of Engineering.

0101	Russell Anderson Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 40) CSS 1113 EGR 1156

ENCE470 **Highway Engineering**

ENCE470 *(PermReq)* **Highway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department. Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation. Restricted to students in the College of Engineering.

0101	Xianfeng Yang MWF 10:00am - 10:50am	Seats (Total: 40) EGR 3106

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE489G **Special Problems in Civil Engineering; Applications in Remote Sensing for Global Water Sustainability**

ENCE489G Special Problems in Civil Engineering: Applications in Remote Sensing for Global Water Sustainability; (3 credits) Grade Method: REG/P-F/AUD. From space-borne satellites to the so-called lab on a chip, learn how advanced technology is changing our view of global water. The focus of this course is on the hydrologic cycle and is open to both undergraduate and graduate students.

0101	Barton Forman	Seats (Total: 20)
	TuTh 4:00pm - 5:15pm	MTH 0106

ENCE602 **Project Procurement Management**

ENCE602 Project Procurement Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the (ENGR: Graduate Certificate in Project Management) program; or must be in one of the following programs (ENGR: MS/PhD-Civil Engineering (Master's); Master of Engineering-Project Mgmt (Master's); ENGR: MS/PhD-Civil Engineering (Doctoral); Master of Engineering (Master's)) ; or permission of ENGR-Civil & Environmental Engineering department. Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.

PM01	Qingbin Cui	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Weekly video conference: Monday 7pm-8pm.	

ENCE610 **Fundamentals of Structural Analysis**

ENCE610 Fundamentals of Structural Analysis; (3 credits) Grade Method: REG/AUD.
Cartesian tensor notation. Linear forms of the general equilibrium, compatability, and constitutive equations. The calculus of variations. The principles of virtual work and complementary virtual work. Self-adjoint problem formulations.

0101	Peter Chang TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 3114

ENCE611 **Finite Element Methods**

ENCE611 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE661. Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.

0101	Brian Phillips MW 3:30pm - 4:45pm	Seats (Total: 25) EGR 2116

ENCE613 **Structural Dynamics**

ENCE613 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE653. Analysis of the dynamic response of structrues and structural components subjected to impact load, transient load, and ground excitations; study of single degree-of-freedom and multi degree-of-freedom systems in classical closed form solution and approximate numerical solution; solution in the frequency domain and the use of finite element method.

0101	Yunfeng Zhang W 5:00pm - 7:30pm	Seats (Total: 25) EGR 3114

ENCE626 **Web-based Project Management**

ENCE626 Web-based Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE662. The use of IT tools, in particular the Web, is increasingly becoming the primary instrument for conducting the day-to-day tasks of engineering project management. Traditional client-server based technologies and applications can now be replaced by a web-centric, collaborative, electronic workplace. This course examines the use of Internet and Intranet based project management in the context of collaboration, decision making and information exchange, and presents a systematic understanding of the principle issues in Web based tools- ease of use, efficient decision making, and cost effectiveness. The course will use project case histories as part of a team project.

0101	Miroslaw Skibniewski M 6:30pm - 9:15pm	Seats (Total: 25) JMP 2121
PM01	Miroslaw Skibniewski Class time/details on ELMs *Videoconference will meet 8a-9p.*	Seats (Total: 30) ONLINE

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Restriction: Must not have completed ENCE627. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 25) JMP 2217

ENCE630 **Environmental and Water Resource Systems I**

ENCE630 Environmental and Water Resource Systems I; (3 credits) Grade Method: REG/AUD.
Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.

0101	Richard McCuen MWF 9:00am - 9:50am	Seats (Total: 20) EGR 1110

ENCE640 **Advanced Soil Mechanics**

ENCE640 Advanced Soil Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE340; or students who have taken courses with comparable content may contact the department. Introduction to the use of elastic theory in stress and displacement solutions to geotechnical engineering (soil and rock mechanics). The effect of soil moisture (at rest) relative to effective stress principles, capillary and frost. Exact and numeric techniques for the analysis for soil seepage under isotropic and anisotropic conditions. Classical settlement (consolidation) and compressiblility theories, including finite difference solution for vertical and radial drainage.

0101	Cheryl Richter	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	EGR 2116

ENCE650 **Process Dynamics in Environmental Systems**

ENCE650 Process Dynamics in Environmental Systems; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE636. The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 3114

ENCE651 **Chemistry of Natural Waters**

ENCE651 Chemistry of Natural Waters; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENCE633 or ENCE651. Formerly: ENCE633. Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments. Also offered as MEES698@.

0101	Alba Torrents	Seats (Total: 20)
	TuTh 8:00am - 9:15am	EGR 1110

ENCE661 **Project Cost Accounting and Finance**

ENCE661 Project Cost Accounting and Finance; (3 credits) Grade Method: REG/AUD.

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

0101	James Myers W 3:30pm - 6:10pm	Seats (Total: 54) JMP 2121
PM01	James Myers Class time/details on ELMs	Seats (Total: 30) ONLINE

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	John Cable W 6:20pm - 9:00pm	Seats (Total: 54) JMP 2121
PM01	John Cable Class time/details on ELMs	Seats (Total: 30) ONLINE
	Weekly video conference: Thursday 7:00am to 8:00am or Thursday 8:00pm to 9:00pm.	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.
Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction. Weekly video conference after 7:50 p.m.

PM01	Mark Groff	Seats (Total: 35)
	Class time/details on ELMs	ONLINE
	Weekly video conference: Tuesday 8-9 p.m.	

ENCE665 **Management of Project Teams**

ENCE665 *(PermReq)* **Management of Project Teams; (3 credits)** Grade Method: REG/AUD.
Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

0101	Jocelyn Davis	Seats (Total: 29)
	Th 6:00pm - 8:30pm	JMP 2222

ENCE666 **Cost Engineering and Control**

ENCE666 Cost Engineering and Control; (3 credits) Grade Method: REG/AUD.
Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.

0101	Neil Schulman	Seats (Total: 25)
	Tu 6:00pm - 8:30pm	JMP 2217

PM01	Neil Schulman	Seats (Total: 30)
	Meets September 2, 2014 - December 4, 2014	
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Wednesday 7:00-7:50.	

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

PM01	Gregory Baecher	Seats (Total: 30)
	Meets September 2, 2014 - December 4, 2014	
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Thursday 8:00-9:00am or 7:00-8:00pm.	

ENCE670 **Highway Traffic Characteristics and Measurements**

ENCE670 Highway Traffic Characteristics and Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE470; or permission of instructor. The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.

0101	Charles Liu	Seats (Total: 30)
	Th 5:00pm - 7:30pm	EGR 2116

ENCE672 **Regional Transportation Planning**

ENCE672 Regional Transportation Planning; (3 credits) Grade Method: REG/AUD.
Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld Tu 5:00pm - 7:30pm	Seats (Total: 35) EGR 2154

ENCE677 **OR Models for Transportation Systems Analysis**

ENCE677 OR Models for Transportation Systems Analysis; (3 credits) Grade Method: REG/AUD.
Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.

0101	Elise Miller-Hooks TuTh 11:00am - 12:15pm	Seats (Total: 25) KEB 1200

ENCE688A **Advanced Topics in Civil Engineering; Research Methodology Seminar II**

ENCE688A Advanced Topics in Civil Engineering: Research Methodology Seminar II; (1 credit) Grade Method: REG.
This class is for students that have completed ENCE688Y.

0101	Gregory Baecher, Qingbin Cui F 3:00pm - 4:00pm	Seats (Total: 20) JMP 2217

ENCE688D **Advanced Topics in Civil Engineering; Sensor Systems**

ENCE688D Advanced Topics in Civil Engineering: Sensor Systems; (3 credits) Grade Method: REG/AUD.
Also offered as ENSE698E.

0101	David Lovell, Pamela Abshire TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3102

ENCE688I **Advanced Topics in Civil Engineering; Discrete Choice Analysis**

ENCE688I Advanced Topics in Civil Engineering: Discrete Choice Analysis; (3 credits) Grade Method: REG/AUD.

0101	Cinzia Cirillo MW 3:15pm - 4:30pm	Seats (Total: 25) CSS 2416

ENCE688J **Advanced Topics in Civil Engineering; Contemporary Water Resources Management**

ENCE688J Advanced Topics in Civil Engineering: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway Tu 5:00pm - 7:30pm	Seats (Total: 24) EGR 3102

ENCE688P **Advanced Topics in Civil Engineering; Advanced Water Treatment Technologies**

ENCE688P Advanced Topics in Civil Engineering: Advanced Water Treatment Technologies; (3 credits) Grade Method: REG/AUD.

0101	Baoxia Mi W 10:00am - 12:30pm	Seats (Total: 20) SKN 0104

ENCE688Y **Advanced Topics in Civil Engineering; Research Methodology Seminar**

ENCE688Y Advanced Topics in Civil Engineering: Research Methodology Seminar; (1 credit) Grade Method: REG.

0101	Gregory Baecher, Qingbin Cui F 3:00pm - 4:00pm	Seats (Total: 20) JMP 2217
PM01	Gregory Baecher, Qingbin Cui Class time/details on ELMs *Weekly Videoconference: Friday 8:00 - 9:00 am.*	Seats (Total: 15) ONLINE

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE689G **Seminar; Applications in Remote Sensing for Global Water Sustainability**

ENCE689G Seminar: Applications in Remote Sensing for Global Water Sustainability; (3 credits) Grade Method: REG/AUD.
From space-borne satellites to the so-called lab on a chip, learn how advanced technology is changing our view of global water. The focus of this course is on the hydrologic cycle and is open to both undergraduate and graduate students.

0101	Barton Forman	Seats (Total: 20)
	TuTh 4:00pm - 5:15pm	MTH 0106

ENCE743 **Soil Dynamics and Earthquake Engineering**

ENCE743 Soil Dynamics and Earthquake Engineering; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENCE642 or ENCE743. Formerly: ENCE642. Review of theory of vibration and wave propagation in elastic media. Field and laboratory methods for determining dynamic soil properties. Analysis and design of soil-foundation systems subjected to machinery generated vibrations and methods of foundation isolation. Earthquake causes, magnitude and intensity, seismic hazard evaluation, NEHRP site classification, site response analyses and ground motion amplification, liquefaction and response of earth structures.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 2154

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Fall 2014

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Jeffery Klauda	Seats (Total: 35)
	Tu 11:00am - 12:15pm	CHE 2108

ENCH610 **Chemical Engineering Thermodynamics**

ENCH610 *(PermReq)* **Chemical Engineering Thermodynamics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: CHBE301; and CHBE302. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Mikhail Anisimov	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 0135

ENCH620 **Methods of Engineering Analysis**

ENCH620 *(PermReq)* **Methods of Engineering Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MATH246; and CHBE250. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Nam Sun Wang TuTh 5:00pm - 6:15pm	Seats (Total: 35) CHE 2118

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648L **Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

ENCH648L *(PermReq)* **Special Problems in Chemical Engineering: Photovoltaics: Solar Energy; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Adomaitis TuTh 2:00pm - 3:15pm	Seats (Total: 10) JMP 2216
HT01	Raymond Adomaitis TuTh 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
ME01	Raymond Adomaitis TuTh 2:00pm - 3:15pm	Seats (Total: 15) ONLINE
SG01	Raymond Adomaitis TuTh 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
SM01	Raymond Adomaitis TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENCH648M **Special Problems in Chemical Engineering; Metabolic Pathway Engineering**

ENCH648M *(PermReq)* **Special Problems in Chemical Engineering: Metabolic Pathway Engineering; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE489L, BIOE689L, and ENCH468M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram	Seats (Total: 10)
	MW 5:00pm - 6:15pm	CHE 2136

ENCH648W **Special Problems in Chemical Engineering; Transport Phenomena in Small and Biological Systems**

ENCH648W Special Problems in Chemical Engineering: Transport Phenomena in Small and Biological Systems; (3 credits) Grade Method: REG/AUD.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 10)
	MWF 11:00am - 11:50am	CHM 0119

ENCH686 **Advanced Heterogeneous Catalysis for Energy Applications**

ENCH686 Advanced Heterogeneous Catalysis for Energy Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in CHBE302, CHBE424, and CHBE440; and permission of instructor. Credit only granted for: CHBE486 or ENCH686. Additional information: This is a pilot course. Introduction to heterogeneous catalytic science and technology for energy conversion and hydocarbon processing. Preparation and mechanistic characterization of catalyst systems, kinetics of catalyzed reactions, adsorption and diffusion influences in heterogenious reactions. An overview of heterogeneous catalysis in various energy-related applications, including petroleum refining, chemicals from biomass, valorization of shale gas, and CO2 utilization will be introduced.

0101	Dongxia Liu	Seats (Total: 10)
	TuTh 5:00pm - 6:15pm	CSI 2107

ENCH799 **Master's Thesis Research**

ENCH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Fall 2014

ENCO099 **Co-Op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience; (No credit)** Grade Method: S-F.
If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Fall 2014

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Gang Qu Tu 12:30pm - 1:45pm WF 9:00am - 9:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0102	Gang Qu Tu 12:30pm - 1:45pm WF 10:00am - 10:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0103	Gang Qu Tu 12:30pm - 1:45pm WF 11:00am - 11:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0104	Gang Qu Tu 12:30pm - 1:45pm WF 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0105	Gang Qu Tu 12:30pm - 1:45pm WF 1:00pm - 1:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0106	Instructor: TBA Tu 12:30pm - 1:45pm WF 2:00pm - 2:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion

ENEE148A **Special Topics in Electrical Engineering; Programming Elements for Electrical Engineers**

ENEE148A *(PermReq)* **Special Topics in Electrical Engineering: Programming Elements for Electrical Engineers; (3 credits)** Grade Method: REG. Prerequisite: Permission of Department. A problem-based introduction to C programming in the context of microcontroller applications. This course provides an introduction to C-programming in the context of simple electrical engineering applications and also teaches elements of sensor and actuator operation, communications, control, and circuit theory.

0101	Wesley Lawson TuTh 10:00am - 10:50am F 1:00pm - 3:50pm	Seats (Total: 10) ITV 1100 AVW 1344	Lab
0102	Wesley Lawson TuTh 10:00am - 10:50am W 8:00am - 10:50am	Seats (Total: 10) ITV 1100 AVW 1344	Lab
0103	Wesley Lawson TuTh 10:00am - 10:50am F 10:00am - 12:50pm	Seats (Total: 10) ITV 1100 AVW 1344	Lab

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. And ENEE140 or CMSC131; or score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 12) EGR 0135 AVW 1442	Discussion
0102	Donald Yeung MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 12) EGR 0135 AVW 1442	Discussion

0103	Donald Yeung MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 12) EGR 0135 AVW 1442	Discussion
0201	William Hawkins TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 12) CSS 2428 AVW 1442	Discussion
0202	William Hawkins TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 12) CSS 2428 AVW 1442	Discussion
0203	William Hawkins TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 12) CSS 2428 AVW 1442	Discussion

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. *Restriction: Sophomore standing or higher.* Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	David Barbe MW 2:00pm - 2:50pm F 10:00am - 11:50am	Seats (Total: 16) CCC 1205 EGR 1110	Discussion
0102	David Barbe MW 2:00pm - 2:50pm F 11:00am - 12:50pm	Seats (Total: 16) CCC 1205 CHE 2116	Discussion
0103	David Barbe MW 2:00pm - 2:50pm F 12:00pm - 1:50pm	Seats (Total: 16) CCC 1205 EGR 1102	Discussion

0104	David Barbe MW 2:00pm - 2:50pm F 1:00pm - 2:50pm	Seats (Total: 16) CCC 1205 EGR 3114	Discussion
0105	David Barbe MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 16) CCC 1205 EGR 3102	Discussion
0201	Nicole Mogul TuTh 3:30pm - 4:20pm W 2:00pm - 3:50pm	Seats (Total: 16) CHM 1402 EGR 3111	Discussion
0202	Nicole Mogul TuTh 3:30pm - 4:20pm F 11:00am - 12:50pm	Seats (Total: 16) CHM 1402 EGR 3111	Discussion
0203	Nicole Mogul TuTh 3:30pm - 4:20pm M 2:00pm - 3:50pm	Seats (Total: 16) CHM 1402 ANS 0402	Discussion
0204	Nicole Mogul TuTh 3:30pm - 4:20pm F 1:00pm - 2:50pm	Seats (Total: 16) CHM 1402 EGR 3111	Discussion
0205	Nicole Mogul TuTh 3:30pm - 4:20pm F 11:00am - 12:50pm	Seats (Total: 16) CHM 1402 EGR 3102	Discussion

ENEE205 **Electric Circuits**

ENEE205 *(PermReq)* **Electric Circuits; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.* Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Julius Goldhar	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2118	
	Tu 12:00pm - 1:50pm	AVW 1356	Lab
	Tu 11:00am - 11:50am	AVW 1356	Discussion
0102	Julius Goldhar	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2118	
	Tu 9:00am - 10:50am	AVW 1356	Lab
	Tu 8:00am - 8:50am	AVW 1356	Discussion
0103	Julius Goldhar	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2118	
	Th 12:00pm - 1:50pm	AVW 1356	Lab
	Th 11:00am - 11:50am	AVW 1356	Discussion
0104	Julius Goldhar	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2118	
	Th 9:00am - 10:50am	AVW 1356	Lab
	Th 8:00am - 8:50am	AVW 1356	Discussion
0201	Romel Gomez	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	SPH 1303	
	M 12:00pm - 1:50pm	AVW 1356	Lab
	M 11:00am - 11:50am	AVW 1356	Discussion
0202	Romel Gomez	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	SPH 1303	
	M 3:00pm - 4:50pm	AVW 1356	Lab
	M 2:00pm - 2:50pm	AVW 1356	Discussion
0203	Romel Gomez	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	SPH 1303	
	W 3:00pm - 4:50pm	AVW 1356	Lab
	W 2:00pm - 2:50pm	AVW 1356	Discussion
0204	Romel Gomez	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	SPH 1303	
	F 9:00am - 10:50am	AVW 1356	Lab
	F 8:00am - 8:50am	AVW 1356	Discussion

ENEE222 Elements of Discrete Signal Analysis

ENEE222 *(PermReq)* **Elements of Discrete Signal Analysis; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. And minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241. Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Gilmer Blankenship	Seats (Total: 22)	
	MW 12:30pm - 1:45pm	CHE 2118	
	Th 9:00am - 9:50am	KEB 2107	Lab
	Tu 9:00am - 9:50am	KEB 2107	Discussion
0102	Instructor: TBA	Seats (Total: 22)	
	MW 12:30pm - 1:45pm	CHE 2118	
	Th 11:00am - 11:50am	KEB 2107	Lab
	Tu 11:00am - 11:50am	KEB 2107	Discussion
0201	Instructor: TBA	Seats (Total: 22)	
	TuTh 3:30pm - 4:45pm	CHE 2108	
	F 10:00am - 10:50am	KEB 2107	Lab
	W 10:00am - 10:50am	KEB 2107	Discussion
0202	Instructor: TBA	Seats (Total: 22)	
	TuTh 3:30pm - 4:45pm	CHE 2108	
	F 11:00am - 11:50am	KEB 2107	Lab
	W 11:00am - 11:50am	KEB 2107	Discussion
0203	Adrianos Papamarcou	Seats (Total: 22)	
	TuTh 3:30pm - 4:45pm	CHE 2108	
	F 9:00am - 9:50am	KEB 2107	Lab
	W 9:00am - 9:50am	KEB 2107	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only (04).

0101	Charles Silio MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 12) EGR 0108 MTH 2300	 Discussion
0102	Charles Silio MW 3:30pm - 4:45pm Th 10:00am - 10:50am	Seats (Total: 12) EGR 0108 EGR 3111	 Discussion
0103	Charles Silio MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 11) EGR 0108 JMP 1109	 Discussion
0201	Dana Dachman-Soled TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 12) CHE 2118 CHE 2140	 Discussion
0202	Dana Dachman-Soled TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion
0203	Dana Dachman-Soled TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion
0204	Dana Dachman-Soled TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion

0301	Rajeev Barua MW 11:00am - 12:15pm Tu 10:00am - 10:50am	Seats (Total: 12) CHE 2136 MTH B0431	 Discussion
0302	Rajeev Barua MW 11:00am - 12:15pm Tu 11:00am - 11:50am	Seats (Total: 12) CHE 2136 MTH B0431	 Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

ENEE245 *(PermReq)* **Digital Circuits and Systems Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0101	Instructor: TBA W 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 12) CSI 1115 AVW 1450	 Lab
0102	Instructor: TBA W 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 12) CSI 1115 AVW 1450	 Lab
0103	Instructor: TBA W 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 12) CSI 1115 AVW 1450	 Lab
0104	Instructor: TBA W 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 12) CSI 1115 AVW 1450	 Lab

0105	Instructor: TBA W 9:00am - 9:50am F 2:00pm - 4:50pm	Seats (Total: 12) CSI 1115 AVW 1450	Lab
0201	Instructor: TBA Th 1:00pm - 1:50pm M 8:00am - 10:50am	Seats (Total: 12) PHY 1204 AVW 1450	Lab
0202	Instructor: TBA Th 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 12) PHY 1204 AVW 1450	Lab
0203	William Hawkins Th 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 12) PHY 1204 AVW 1450	Lab
0204	William Hawkins Th 1:00pm - 1:50pm M 11:00am - 1:50pm	Seats (Total: 12) PHY 1204 AVW 1450	Lab
0301	Instructor: TBA W 9:00am - 9:50am F 8:00am - 10:50am	Seats (Total: 12) CHE 2118 AVW 1450	Lab
0302	Instructor: TBA W 9:00am - 9:50am Tu 1:00pm - 3:50pm	Seats (Total: 12) CHE 2118 AVW 1450	Lab
0303	Instructor: TBA W 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 12) CHE 2118 AVW 1450	Lab
0304	Bruce Jacob W 9:00am - 9:50am F 11:00am - 1:50pm	Seats (Total: 12) CHE 2118 AVW 1450	Lab

ENEE303 Analog and Digital Electronics

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.
Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2108 CHE 2145	Discussion
0102	Manoj Franklin MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2108 EGR 1102	Discussion
0103	Instructor: TBA MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) CHE 2108 EGR 2154	Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 3114	Discussion
0202	Instructor: TBA TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 24) CHE 2118 EGR 1102	Discussion
0301	Instructor: TBA MW 9:30am - 10:45am Th 11:00am - 11:50am	Seats (Total: 25) JMP 2216 JMP 2202	Discussion

ENEE303H **Analog and Digital Electronics**

ENEE303H *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.
Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Robert Newcomb TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 20) CHE 2116 PLS 1164	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE 306 or ENEE 307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

0101	Instructor: TBA W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) KEB 1110 AVW 1330	 Lab
0102	Neil Goldsman W 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) KEB 1110 AVW 1330	 Lab
0103	Neil Goldsman W 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) KEB 1110 AVW 1330	 Lab

0104	Instructor: TBA W 9:00am - 9:50am M 8:00am - 11:00am	Seats (Total: 12) KEB 1110 AVW 1330	Lab
0105	Instructor: TBA W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) KEB 1110 AVW 1330	Lab
0106	Instructor: TBA W 9:00am - 9:50am F 8:00am - 11:00am	Seats (Total: 12) KEB 1110 AVW 1330	Lab
0107	Neil Goldsman W 9:00am - 9:50am F 11:00am - 2:00pm	Seats (Total: 12) KEB 1110 AVW 1330	Lab
0108	Neil Goldsman W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) KEB 1110 AVW 1330	Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Instructor: TBA TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 25) CHE 2118 EGR 3102	Discussion
0102	Instructor: TBA TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 24) CHE 2118 EGR 3102	Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. ENEE majors (09090) only.

0101	Carol Espy-Wilson MW 11:00am - 12:15pm Tu 9:00am - 9:50am	Seats (Total: 25) CHE 2118 PLS 1115	 Discussion
0102	Carol Espy-Wilson MW 11:00am - 12:15pm Tu 10:00am - 10:50am	Seats (Total: 24) CHE 2118 PLS 1115	 Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) KEB 1110 EGR 1102	 Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) KEB 1110 EGR 3102	 Discussion
0301	Instructor: TBA TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 20) JMP 2121 PLS 1158	 Discussion
0302	Instructor: TBA TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 20) JMP 2121 PLS 1158	 Discussion

ENEE322H **Signal and System Theory**

ENEE322H *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. Restricted to ENEE Honors students only.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 25) EGR 2116 EGR 2154	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Instructor: TBA MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 20) EGR 0110 EGR 1102	 Discussion
0102	Alexander Barg MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 20) EGR 0110 MTH 0307	 Discussion
0201	Instructor: TBA TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 20) CHE 2118 EGR 3114	 Discussion

0202	Instructor: TBA TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 20) CHE 2118 EGR 2116	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only

0101	Instructor: TBA MW 12:30pm - 1:45pm Th 10:00am - 10:50am	Seats (Total: 20) MCB 1207 PHY 1204	 Discussion
0102	Instructor: TBA MW 12:30pm - 1:45pm Th 1:00pm - 1:50pm	Seats (Total: 20) MCB 1207 TYD 1118	 Discussion
0201	Ankur Srivastava TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 20) JMP 2217 EGR 2154	 Discussion
0202	Ankur Srivastava TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 20) JMP 2120 EGR 1102	 Discussion
0301	Instructor: TBA MW 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 20) JMP 2202 PLS 1113	 Discussion
0302	Instructor: TBA MW 12:30pm - 1:45pm Tu 1:00pm - 1:50pm	Seats (Total: 19) JMP 2202 PLS 1119	 Discussion

ENEE350H **Computer Organization**

ENEE350H *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. For general honors students only.

0101	Rajeev Barua	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	EGR 2154	
	M 1:00pm - 1:50pm	EGR 2154	Discussion

ENEE359F **Intermediate Topics in Computer Engineering; Advanced FPGA System Design using Verilog**

ENEE359F *(PermReq)* **Intermediate Topics in Computer Engineering: Advanced FPGA System Design using Verilog; (3 credits)** Grade Method: REG.
Based on the skills developed in ENEE245, students will further expand their skill set by working on more advanced digital system design using Verilog hardware description language (HDL) in an industry-standard design environment. They will implement real-world designs in a field programmable gate array (FPGA) as well as test and optimize the FPGA-implemented systems. Students will also work in teams on medium- scale digital system design projects and make oral presentations and written reports.

0101	Kazuo Nakajima	Seats (Total: 12)	
	M 11:00am - 12:15pm	AVW 2446	
	Th 8:00am - 10:50am	AVW 2446	Lab

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Leonard Taylor MW 3:30pm - 4:45pm Tu 9:00am - 9:50am	Seats (Total: 20) CHE 2118 PLS 1113	Discussion
0102	Leonard Taylor MW 3:30pm - 4:45pm Tu 10:00am - 10:50am	Seats (Total: 20) CHE 2118 PHY 1219	Discussion
0201	Edo Waks TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 20) CSI 2117 EGR 3114	Discussion
0202	Instructor: TBA TuTh 3:30pm - 4:45pm W 1:00pm - 1:50pm	Seats (Total: 20) CSI 2117 EGR 2154	Discussion
0301	Instructor: TBA MW 3:30pm - 4:45pm Th 9:00am - 9:50am	Seats (Total: 20) ARM 0117 ITV 1100	Discussion

ENEE380H **Electromagnetic Theory**

ENEE380H *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 20) EGR 3102 EGR 1102	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas. ENEE majors only (09090).

0101	Instructor: TBA MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 19) JMP 1202 EGR 3114	 Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 22) CHE 2136 EGR 2116	 Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) CHE 2136 EGR 2116	 Discussion

ENEE408C **Capstone Design Project: Modern Digital System Design**

ENEE408C *(PermReq)* **Capstone Design Project: Modern Digital System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Instructor: TBA Tu 3:30pm - 4:45pm Th 2:00pm - 4:50pm	Seats (Total: 16) KEB 2107 KEB 2107	 Lab

ENEE408E **Capstone Design Project: Optical System Design**

ENEE408E *(PermReq)* **Capstone Design Project: Optical System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE 380. Co-requisite: ENEE381 (Capstone design for EE majors only). Click here f or more information

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 45) MCB 1207	

ENEE408I **Capstone Design Project: Autonomous Control of Interacting Robots**

ENEE408I *(PermReq)* **Capstone Design Project: Autonomous Control of Interacting Robots; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Gilmer Blankenship M 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 12) EGR 1102 KEB 3209	 Lab
0102	Gilmer Blankenship M 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 12) EGR 1102 KEB 3209	 Lab

ENEE411 **Advanced Analog and Digital Electronics**

ENEE411 *(PermReq)* **Advanced Analog and Digital Electronics; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE303. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and must have permission of the department. Credit only granted for: ENEE411 or ENEE419A. Formerly: ENEE419A. Examination of analog and digital device models for analysis, design, and simulation of transistor level electronic circuits, emphasizing Metal Oxide Silicon Field Effect Transistors (MOSFETs); fundamental single transistor configurations; frequency response, feedback, and stability of multi-transistor circuits, such as current mirrors, differential amplifiers, voltage references, operational amplifiers and data converters; complementary Metal Oxide Silicon (CMOS) implementations of static and clocked digital as well as mixed signal circuits.

0101	Pamela Abshire TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 0110	

ENEE413 **Advanced Electronic Devices**

ENEE413 *(PermReq)* **Advanced Electronic Devices; (3 credits)** Grade Method: REG.

Prerequisite: Minimum grade of C- in ENEE303. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical) ; and permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENEE413 or ENEE480. Formerly: ENEE480. Advanced devices and their physical operation, providing a thorough description of those parts not usually covered in introductory electronics courses. These include Schottky and tunnel junctions, negative resistance devices used in wireless communication, homo-structure compound semiconductor transistors, hetero-structure (quantum effect) transistors, non-volatile memory devices, photonic devices such as LEDs and solid-state lasers, solar cells, photo-detectors and camera imagers, as well as bio-related components. Special consideration will be given to achieve an understanding of noise processes that limit electronic device performance. In all cases, system-level applications will be illustrated.

0101	Agisilaos Iliadis	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	SPH 0308	

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.

Prerequisite: Minimum grade of C- in ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE419J. Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Martin Peckerar	Seats (Total: 5)	
	Th 2:00pm - 3:15pm	MTH B0423	
	Tu 9:00am - 12:00pm	KEB 2300	Lab

0102	Martin Peckerar Th 2:00pm - 3:15pm W 12:30pm - 3:30pm	Seats (Total: 5) MTH B0423 KEB 2300	Lab
0103	Martin Peckerar Th 2:00pm - 3:15pm M 12:30pm - 3:30pm	Seats (Total: 5) MTH B0423 KEB 2300	Lab
0104	Martin Peckerar Th 2:00pm - 3:15pm W 9:00am - 12:00pm	Seats (Total: 5) MTH B0423 KEB 2300	Lab
0105	Martin Peckerar Th 2:00pm - 3:15pm F 9:00am - 12:00pm	Seats (Total: 5) MTH B0423 KEB 2300	Lab

ENEE419R **Topics in Microelectronics; Renewable Energy**

ENEE419R *(PermReq)* **Topics in Microelectronics: Renewable Energy; (3 credits)** Grade Method: REG.
Credit will be granted for only one of the following: ENEE419R or ENEE498R.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 45) CSS 1113

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	KJ Ray Liu MW 11:00am - 12:15pm	Seats (Total: 40) EGR 3106

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Min Wu TuTh 11:00am - 12:15pm	Seats (Total: 40) CHE 2136	

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.* The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols.

0101	Mark Shayman TuTh 9:30am - 10:45am	Seats (Total: 35) JMP 2202	

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Instructor: TBA W 10:00am - 10:50am F 9:00am - 12:00pm	Seats (Total: 8) CSI 2107 AVW 1366	 Lab
0102	Instructor: TBA W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 8) CSI 2107 AVW 1366	 Lab

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors only (09090).

0101	William Hawkins	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	EGR 0108	

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	Instructor: TBA	Seats (Total: 12)	
	Tu 2:00pm - 2:50pm	CHE 2116	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Instructor: TBA	Seats (Total: 40)	
	MW 3:30pm - 4:45pm	EGR 3106	

ENEE459B **Topics in Computer Engineering; Reverse Engineering and Hardware Security Laboratory**

ENEE459B *(PermReq)* **Topics in Computer Engineering: Reverse Engineering and Hardware Security Laboratory; (3 credits)** Grade Method: REG.
Prequisite: ENEE244, ENEE245, and ENEEE350 or permission of the instructor.

0101	Gang Qu, Allen Hazelton	Seats (Total: 16)	
	M 4:15pm - 6:00pm	AVW 2446	
	W 4:15pm - 6:00pm	AVW 2446	Lab

ENEE459C **Topics in Computer Engineering; Computer Security**

ENEE459C *(PermReq)* **Topics in Computer Engineering: Computer Security; (3 credits)** Grade Method: REG.
Prerequisite: Permission of department and; ENEE150 or CMSC132 or permission of instructor. Students are taught both theoretical and practical concepts of computer systems security. It covers fundamental notions required to build a secure system (e.g., symmetric/asymmetric encryption, message authentication, digital signatures, access control), as well as practical topics in computer security (network security, web security, cloud security, physical security). The class will provide the students with the necessary tools for designing secure computer systems and programs and for defending against malicious threats (e.g., viruses, worms, denial of service).

0101	Charalampos Papamanthou	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	PHY 1219	

ENEE459P **Topics in Computer Engineering; Parallel Algorithms**

ENEE459P *(PermReq)* **Topics in Computer Engineering: Parallel Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350 or (CMSC330 and CMSC351) and permisson of department. Also offered as CMSC498M. Credit granted for ENEE459P or CMSC498M.

0101	Uzi Vishkin	Seats (Total: 20)	
	MW 11:00am - 12:15pm	ITV 1100	

ENEE460 **Control Systems**

ENEE460 *(PermReq)* **Control Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.* Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems. ENEE majors (09090) only.

0101	Andre Tits	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	MTH 0307

ENEE474 **Power Systems**

ENEE474 *(PermReq)* **Power Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.* Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	Isaak Mayergoyz	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	KEB 1110

ENEE486 **Optoelectronics Lab**

ENEE486 *(PermReq)* **Optoelectronics Lab; (2 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in PHYS271 and PHYS270; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics.

0101	Mario Dagenais W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHE 2145 AVW 1362	 Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG.
Prerequisite: permission of department.

1301	Perinkulam Krishnaprasad Contact instructor or department for details.	Seats (Total: 3)
1501	William Levine Contact instructor or department for details.	Seats (Total: 3)
1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
4201	Victor Granatstein Contact instructor or department for details.	Seats (Total: 3)
5601	Jonathan Simon Contact instructor or department for details.	Seats (Total: 10)
6901	Neil Goldsman Contact instructor or department for details.	Seats (Total: 3)
7001	Wesley Lawson Contact instructor or department for details.	Seats (Total: 5)
9801	Jeremy Munday Contact instructor or department for details.	Seats (Total: 10)

ENEE489I **Topics in Electrophysics; Solar Energy Conversion**

ENEE489I *(PermReq)* **Topics in Electrophysics: Solar Energy Conversion; (3 credits)** Grade Method: REG.

0101	Jeremy Munday TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 0135

ENEE490 **Physical Principles of Wireless Communications**

ENEE490 *(PermReq)* **Physical Principles of Wireless Communications; (3 credits)** Grade Method: REG.
Prerequisite: ENEE381. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE490 or ENEE498B. Formerly: ENEE498B.

0101	Victor Granatstein	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 2116

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergradute Teaching Experience**
Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

ENEE600 Solid State Electronics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE413; and must have background in elementary quantum mechanics. Credit only granted for: ENEE600 or ENEE793. Formerly: ENEE793.
Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	Danilo Romero	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 0108

ENEE605 **Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS)**

ENEE605 Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS); (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENEE605 or ENEE719R. Formerly: ENEE719R. The goals are to explore the world of Micro-Electro-Mechanical Systems (MEMS) by understanding its design and fabrication aspects.

0101	Instructor: TBA	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMP 2222

ENEE610 **Electrical Network Theory**

ENEE610 Electrical Network Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed undergraduate-level Circuit Theory; or permission of instructor. Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.

0101	Robert Newcomb	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Instructor: TBA	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	SPH 1303	
	F 11:00am - 11:50am	CHE 2118	Discussion

0102	Instructor: TBA	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	SPH 1303	
	Th 5:00pm - 5:50pm	CHE 2136	Discussion

ENEE623 **Digital Communications**

ENEE623 Digital Communications; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE420. Review of sampling and quantization, functional characterization of digital signals and transmission facilities, band-limited signals and systems. Digital modulation/demodulation techniques, error probability, intersymbol interference and its effects, adaptive equalization. Signaling with coded waveforms, fading and satellite channels, multiple access problems and protocols. Introduction to spread-spectrum Communications.

0101	Prakash Narayan	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	ITV 1100	

ENEE630 **Advanced Digital Signal Processing**

ENEE630 Advanced Digital Signal Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE425. Corequisite: ENEE620. Credit only granted for: ENEE624 or ENEE630. Formerly: ENEE624. This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	Piya Pal	Seats (Total: 40)	
	MW 12:30pm - 1:45pm	EGR 0135	
	Tu 5:00pm - 5:50pm	KEB 1200	Discussion

ENEE641 **Mathematical Foundations for Computer Engineering**

ENEE641 Mathematical Foundations for Computer Engineering; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENEE641 or ENEE759F. Formerly: ENEE759F. Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Instructor: TBA	Seats (Total: 35)
	MW 3:30pm - 4:45pm	EGR 2154

ENEE646 **Digital Computer Design**

ENEE646 Digital Computer Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE446; or students who have taken courses with comparable content may contact the department. Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Bruce Jacob	Seats (Total: 43)
	MW 2:00pm - 3:15pm	EGR 3106

ENEE660 **System Theory**

ENEE660 System Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE460 and MATH463; or students who have taken courses with comparable content may contact the department. General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 2116

ENEE662 **Convex Optimization**

ENEE662 Convex Optimization; (3 credits) Grade Method: REG/AUD.
Recommended: MATH410. Credit only granted for: ENEE759F or ENEE662. Focuses on recognizing, solving, and analyzing convex optimization problems. Convex sets, convex functions, convex and quasi-convex optimization problems. Duality theory and optimality conditions. Specific classes of problems including linear optimization (LP), semi-definite optimization (SDP), geometric programming. Algorithms for unconstrained and constrained optimization; interior-point methods. Applications in controls, communications, signal processing, statistics, and other areas.

0101	Richard La TuTh 12:30pm - 1:45pm	Seats (Total: 43) EGR 3106

ENEE680 **Electromagnetic Theory I**

ENEE680 Electromagnetic Theory I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department. Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

0101	Thomas Antonsen MW 3:30pm - 4:45pm	Seats (Total: 30) CHE 2145

ENEE690 **Quantum and Wave Phenomena with Electrical Application**

ENEE690 Quantum and Wave Phenomena with Electrical Application; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department. Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analagous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.

0101	Howard Milchberg TuTh 12:30pm - 1:45pm	Seats (Total: 30) EGR 2116

ENEE698A **Graduate Seminar; Communicatons**

ENEE698A Graduate Seminar: Communicatons; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Ramalingam Chellappa Th 5:00pm - 6:15pm	Seats (Total: 30) AVW 2120

ENEE698E **Graduate Seminar**

ENEE698E Graduate Seminar; (1-2 credits) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Robert Newcomb Tu 5:00pm - 5:50pm	Seats (Total: 20) CSI 2118

ENEE698Q **Graduate Seminar; Colloquium Series**

ENEE698Q Graduate Seminar: Colloquium Series; (1 credit) Grade Method: REG.
Click here for more course information.

0101	Ramalingam Chellappa F 3:00pm - 4:00pm	Seats (Total: 80) KEB 1110

ENEE698T **Graduate Seminar; Intellectual Property Seminar for Engineers and Management**

ENEE698T Graduate Seminar: Intellectual Property Seminar for Engineers and Management; (1 credit) Grade Method: REG/AUD/S-F.

0101	Michael Oblon Tu 6:00pm - 7:50pm	Seats (Total: 35) CSI 2120

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE704 **Physics and Simulation of Semiconductor Devices**

ENEE704 Physics and Simulation of Semiconductor Devices; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE601 and ENEE600; and exposure to quantum mechanics. Credit only granted for: ENEE694 and ENEE704. Formerly: ENEE694. The physics of electron transport in semiconductor devices will be covered. Numerical methods for attaining solutions to transport equations will be explored. Students will also learn how to use CAD tools fro semiconductor device design. Nano-electronic devices will be introduced.

0101	Neil Goldsman	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CHE 2116

ENEE720 **Wireless Communication Theory**

ENEE720 Wireless Communication Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 and ENEE621. Credit only granted for: ENEE720 or ENEE729W. Formerly: ENEE729W. An advanced detection course that follows and builds on the foundations of the single-user detection theory covered in ENEE 621. The main goal is to introduce the students to the multiple-user communication theory, in particular, multi-user detection theory. Students are introduced to the multi-user performance criteria of effective energy, asymptotic multi-user efficiency and near-far resistance. The physical layer techniques of diversity reception/transmission, multiple transmit/receive antennas and beamforming will also be studied.

0101	Sennur Ulukus	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SPH 0305

ENEE731 **Image Understanding**

ENEE731 Image Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE631 and ENEE633. Credit only granted for: ENEE739J or ENEE731. Formerly: ENEE739J. An advanced graduate level course on image understanding. Mathematical and statistical approaches to solving image understanding problems will be discussed. Topics to be covered include: optimal edge and shape detection; image understanding using Markov random field models; Monte Carlo Markov Chain techniques for image understanding; shape from shading, stereo, texture and contour; structure from motion and object recognition. Existence, uniqueness and convergence issues for many of these problems will be discussed. Also offered as CMSC828G. Credit granted for ENEE731 or CMSC828G.

0101	Ramalingam Chellappa	Seats (Total: 30)
	MW 11:00am - 12:15pm	JMP 2222

ENEE757 **Security in Distributed Systems and Networks**

ENEE757 Security in Distributed Systems and Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE647; or permission of instructor. Threats and countermeasures in centralized and distributed systems; communication security techniques based on encryption; symmetric and asymmetric encryption; encryption modes, including stream and block encryption, and cipher block chaining; message origin and mutual authentication; third-party and inter-realm authentication, authentication of mobile users; data confidentiality and integrity protocols; formal analysis of authentication protocols and message integrity; access control in distributed systems and networks; firewall design; case studies of security mechanisms and policies. Also offered as CMSC818V. Credit granted for ENEE757 or CMSC818V.

0101	Tudor Dumitras	Seats (Total: 15)
	MW 12:30pm - 1:45pm	JMP 1202

ENEE759G **Advanced Topics in Computer Engineering**

ENEE759G Advanced Topics in Computer Engineering; (3 credits) Grade Method: REG/AUD.

0101	Joseph JaJa	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 3106

ENEE762 **Stochastic Control**

ENEE762 Stochastic Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 and ENEE660; or students who have taken courses with comparable content may contact the department. Stochastic control systems, numerical methods for the Ricatti equation, the separation principle, control of linear systems with Gaussian signals and quadratic cost, non-linear stochastic control, stochastic stability, introduction to stochastic games.

0101	Perinkulam Krishnaprasad MW 5:00pm - 6:15pm	Seats (Total: 25) CSI 3118

ENEE789C **Advanced Topics in Electrophysics; Solar Energy Conversion**

ENEE789C Advanced Topics in Electrophysics: Solar Energy Conversion; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Jeremy Munday TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 0135

ENEE789O **Advanced Topics in Electrophysics; Chaotic Dynamics**

ENEE789O Advanced Topics in Electrophysics: Chaotic Dynamics; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Edward Ott TuTh 11:00am - 12:15pm *Also offered as PHYS715.*	Seats (Total: 25) PHY 1201

ENEE791 **Quantum Electronics II**

ENEE791 Quantum Electronics II; (3 credits) Grade Method: REG/AUD.
Nonlinear optical effects and devices, tunable coherent light sources: optical parametric oscillator; frequency conversion and dye laser. Ultrashort pulse generation and measurement, stimulated raman effect, and applications. Interaction of acoustic and optical waves, and holography.

0101	Thomas Murphy	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	MTH 0105

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Fall 2014

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Jackelyn Lopez Roshwalb MW 8:00am - 9:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0201	Gregory Barr TuTh 8:00am - 9:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0301	John Cumings MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0302	Jackelyn Lopez Roshwalb MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0401	David Lovell TuTh 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0402	Ayush Gupta TuTh 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0501	Wesley Lawson MW 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0502	Evandro Valente MW 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0601	Christopher Davis TuTh 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE

0602	Kevin Calabro TuTh 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0701	Evandro Valente MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0702	Jackelyn Lopez Roshwalb MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0801	Peter Sunderland TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0802	Kevin Calabro TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0901	Nicholas Wagman MW 4:30pm - 6:20pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1116 ONLINE
0902	Evandro Valente MW 4:00pm - 5:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE

ENES102 Mechanics I

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 50) CHM 2201 CSI 1121	Discussion
0102	Stephen Kamakaris MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 50) CHM 2201 PLS 1140	Discussion
0104	William Fourney MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) PLS 1130 PHY 1201	Discussion

ENES102H **Mechanics I**

ENES102H *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Gary Pertmer MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) CHE 2110 CSS 1113	Discussion
0301	Gary Pertmer MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 60) SPH 1301 SPH 1301	Discussion

ENES113 **Virtus Living and Learning Community Seminar I**

ENES113 Virtus Living and Learning Community Seminar I; (1 credit) Grade Method: REG.
Restriction: Must be in first year Virtus program. The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to basic tools, undergraduate research opportunities, and campus and engineering resources.

0101	Tamara Fuller	Seats (Total: 65)
	W 4:00pm - 5:30pm	MCB 1207

ENES115 **FLEXUS Living and Learning Community Seminar I**

ENES115 *(PermReq)* **FLEXUS Living and Learning Community Seminar I; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be a first year FLEXUS Participant. The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Shannon Edward	Seats (Total: 65)
	W 4:00pm - 5:30pm	BPS 1243

ENES181 **Dialogue with the Dean**

ENES181 Dialogue with the Dean; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must be a new freshman or transfer student. Introduction to Engineering as a Profession, Overview of Martin Institute and Clark School Education and Research Programs, The Future of Engineering and Engineering Education, Basic Technological Literacy, Business and Entrepreneurship Issues for Engineers, the Joy of Discovery, Student Projects: How to get involved, Research and Development Programs: How to get involved, What the corporate sector expects from a new engineering graduate.

0101	Darryll Pines	Seats (Total: 100)
	W 4:00pm - 4:50pm	KEB 1110

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as: BMGT190. Credit only granted for: BMGT190 or ENES190. Expose engineering and business students to the principles of total quality, using experiential team learning and technology aided approaches. The first of four courses in total quality. First course in a sequence of four Total Quality Program Courses. For total Quality Program participants only. Also offered as ENES190H.

0101	Pamela Armstrong	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm	VMH 1511	
	Tu 7:00pm - 8:50pm	VMH 1335	Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

FCH1	James Green	Seats (Total: 115)	
	W 3:00pm - 4:15pm	BPS 1250	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in Freshmen Connection.		

ENES213 **Virtus Living and Learning Community Seminar III**

ENES213 *(PermReq)* **Virtus Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES113. Restriction: Must be a participant in the second year of the Virtus program. The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking and mentoring and developing awareness of diversity issues.

0101	Tamara Fuller Th 4:00pm - 5:15pm	Seats (Total: 45) ITV 1111
0201	Tamara Fuller Contact instructor or department for details.	Seats (Total: 20)

ENES215 **FLEXUS Living and Learning Community Seminar III**

ENES215 *(PermReq)* **FLEXUS Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES115 and ENES116. Restriction: Must be a second year FLEXUS participant. The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.

0101	Paige Smith Th 4:00pm - 5:15pm	Seats (Total: 49) HBK 0115
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 30)

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab. Prerequisite: student in the College of Engineering.

0101	Peter Chang MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 50) MCB 1207 EGR 1202	 Discussion
0201	Mary Bowden MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 50) PLS 1140 CHE 2110	 Discussion
0301	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CHM 0115 CHM 0115	 Discussion
0401	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 50) EGR 1202 CSI 1122	 Discussion
0501	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) KEB 1110 MCB 1207	 Discussion
0601	Thomas Beigel MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 50) CHM 0115 CSI 1122	 Discussion
0701	Robert Benedetti Tu 5:00pm - 6:50pm Th 5:00pm - 6:50pm	Seats (Total: 50) JMP 3201 JMP 3201	 Discussion
0801	Thomas Brodrick M 5:00pm - 6:50pm W 5:00pm - 6:50pm	Seats (Total: 50) JMP 3201 JMP 3201	

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Amr Baz MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) KEB 1110 KEB 1110	 Discussion
0102	Jarrod Bonsmann MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) SPH 1301 SPH 1301	 Discussion
0103	Jarrod Bonsmann MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) CHE 2108 ANS 0408	 Discussion
0104	Peter Sandborn MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 50) CSI 2117 MCB 1207	 Discussion

ENES232 **Thermodynamics**

ENES232 Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) JMP 3201 CSI 2117	 Discussion
0301	Kristen Hines MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 60) CCC 1205 CCC 1205	 Discussion

ENES304 **RISE Seminar**

ENES304 *(PermReq)* **RISE Seminar; (1 credit)** Grade Method: REG.
Restriction: Must be in the Engineering RISE Leadership Program; and permission of ENGR-A. James Clark School of Engineering. This is the first semester of a two semester sequence taken by RISE students in their first semester in the program. T he purpose of ENES 304 is for RISE students to learn about leadership, acquire leadership skills, and understand how to integrate leadership theories and concepts in engineering practice. There will be a mix of formal lectures by course faculty and lectures by distinguished speakers who can provide their own experience of what leadership means and how it is acquired. Students will explore their own leadership philosophy and leadership capacities in the context of group practice. Students will make meaning of general leadership theories and concepts and understand how to apply them to engineering industry. Students will also gain understanding of leadership through the stories shared by distinguished speakers with industrial, governmental and academic experience.

0101	Christopher Davis, Jane Fines, Ramsey Jabaji Tu 5:00pm - 5:50pm	Seats (Total: 52) JMP 2121

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez MW 5:00pm - 6:15pm	Seats (Total: 50) VMH 1202

ENES424 **Engineering Leadership Capstone**

ENES424 Engineering Leadership Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES472, ENCE320, and ENES317; and permission of ENGR-A. James Clark School of Engineering. Recommended: ENES100. The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts. Restricted to students with a minor in Engineering Leadership Developmen t.

0101	Ramsey Jabaji	Seats (Total: 30)
	Tu 5:00pm - 7:45pm	JMP 1109

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 Science, Technology and Society: Certificate Program Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	David Tomblin	Seats (Total: 10)
	Contact instructor or department for details.	

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

0101	Cait von Schnetlage, James Green	Seats (Total: 50)
	Th 3:30pm - 6:30pm	SCC 2121
	Restricted to students in the Hinman CEO Program.	

ENES461 **Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

ENES461 Advanced Entrepreneurial Opportunity Analysis in Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD.

Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theoretical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in fast pace technology venture environments.

0101	James Green	Seats (Total: 55)
	Th 3:30pm - 6:30pm	SQH 1120
	Restricted to students in the Hinman CEO program.	

ENES462 **Marketing High-Technology Products and Innovations**

ENES462 Marketing High-Technology Products and Innovations; (3 credits) Grade Method: REG/P-F/AUD.

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

0101	Instructor: TBA	Seats (Total: 60)
	F 1:00pm - 3:50pm	CHE 2118
	Restricted to HENT (Hillman Entrepreneurs Program)	

ENES463 **Strategies for Managing Innovation**

ENES463 Strategies for Managing Innovation; (3 credits) Grade Method: REG/P-F/AUD.

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

0101	Thomas Mierzwa	Seats (Total: 25)
	F 1:00pm - 3:50pm	JMP 1202
	Restricted to HENT (Hillman Entrepreneurs Program).	

ENES464 **International Entrepreneurship and Innovation**

ENES464 *(PermReq)* **International Entrepreneurship and Innovation; (3 credits)**
Grade Method: REG/P-F/AUD.
Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis. Permission required. Course will meet biweekly on the following dates: 9/12, 9/26, 10/10, 10/ 24, 11/7, 11/21, and 12/5.

0101	Shyam Chidamber, Raluca Nahorniac	Seats (Total: 30)
	F 1:00pm - 3:50pm	SQH 1119
	Class time/details on ELMs	ONLINE

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. *Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.* The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01) and in engineering leadership development (#EN04). Students in global poverty (#AG06), in terrorism studies (#BS07), or in international development and conflict management (#BS02) may request permission for the course from Jane Fines (jfines@umd.edu). All other students can be placed on a hold file.

BL01	Jane Fines	Seats (Total: 48)
	Th 6:00pm - 7:45pm Contact instructor or department for details.	PHY 1204
	Restricted to students with the minor in international engineering and in engineering leadership development. Students in global poverty, in terrorism studies, or in international development and conflict management may request permission for the course from Jane Fines (jfines@umd.edu). All other students can be placed on a holdfile.	

ENES478 **Topics in Engineering Education**

ENES478 *(PermReq)* **Topics in Engineering Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kevin Calabro, Nicole Roop	Seats (Total: 16)
	F 4:00pm - 5:00pm	JMP 1109

ENES480 **Engineering Honors Seminar I**

ENES480 Engineering Honors Seminar I; (1 credit) Grade Method: REG.
Restriction: Must be in College of Engineering Honors; and junior standing or higher.
Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0103	Richard McCuen	Seats (Total: 15)
	Tu 8:00am - 9:15am	EGR 2116

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Huan Xu	Seats (Total: 40)	
	Tu 5:00pm - 6:15pm Th 3:30pm - 6:00pm	PHY 1204 AVW 2250	 Lab

ENES490H **Quest Consulting and Innovation Practicum**

ENES490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: ENES390 or BMGT390. Also offered as: BMGT490. Credit only granted for: BMGT490 or ENES490.* Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work. Fourth course in a sequence of four Total Quality Program Courses. For total Quality Program participants only.

0101	Jeffrey Herrmann, Kylie King W 5:00pm - 7:40pm Contact instructor or department for details.	Seats (Total: 65) VMH 1333

ENES498R **Special Topics in Entrepreneurship; Fearless Founders: New Venture Practicum**

ENES498R *(PermReq)* **Special Topics in Entrepreneurship: Fearless Founders: New Venture Practicum; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Elana Fine M 5:00pm - 7:30pm	Seats (Total: 26) VMH 1206

ENES602 **Future Faculty Program Seminar II**

ENES602 *(PermReq)* **Future Faculty Program Seminar II; (1 credit)** Grade Method: REG/AUD.
Restriction: Must be in the Clark School Future Faculty Program. Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students. This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Steven Marcus M 3:30pm - 4:45pm	Seats (Total: 25) AVW 2460

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 *(PermReq)* **Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.
Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Peter Kofinas	Seats (Total: 10)
	Contact instructor or department for details.	

ENES662 **Innovative Ideas and Concept Development**

ENES662 Innovative Ideas and Concept Development; (3 credits) Grade Method: REG/AUD.
Enables aspiring entrepreneurs to understand the content, methods, and models for new venture opportunity assessment and analysis. Focuses on how to identify and analyze entrepreneurial opportunities for technology-based ventures by first understanding the personal self and decision-making factors. Explores how to evaluate new venture opportunities and challenges within industries and markets.

PLM1	James Green	Seats (Total: 50)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES663 **Strategies for Managing Innovation**

ENES663 Strategies for Managing Innovation; (3 credits) Grade Method: REG/AUD.

Credit only granted for: ENES663 or ENPM691. Emphasizes how innovative leaders can use strategic management of innovation and technology to enhance firm performance. It helps students to understand the process of technological change; the ways that firms come up with innovations; the strategies that firms use to benefit from innovation; and the process of formulating technology strategy. It provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

PLM1	Thomas Mierzwa	Seats (Total: 50)
	Meets September 2, 2014 - November 21, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENFP Engineering, Fire Protection Fall 2014

ENFP101 **Hot Topics in Fire Protection Engineering**

ENFP101 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.

Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 108 or ENFP 101. Formerly: ENFP108. Current issues of importance to fire protection engineering. Topics focus on advances in basic fire science, computerized fire modeling, safety systems, human behavior and fire, fire toxicity, risk analysis, performance based fire safety, fire reconstruction, arson and evidence, voluntary fire safety standards, codes, and relations with other disciplines including architecture and the built environment, loss prevention and fire insurance.

0101	James Milke	Seats (Total: 20)
	M 12:00pm - 12:50pm	JMP 1109

ENFP250 **Introduction to Life Safety Analysis**

ENFP250 *(PermReq)* **Introduction to Life Safety Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP250 or ENFP251. Formerly: ENFP251. Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.

0101	Kenneth Isman	Seats (Total: 35)	
	TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	ITV 1111 EGR 2154	Discussion

ENFP310 **Water Based Fire Protection Systems Design**

ENFP310 *(PermReq)* **Water Based Fire Protection Systems Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300. Corequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.

0101	Kenneth Isman	Seats (Total: 40)	
	TuTh 4:00pm - 5:15pm	PHY 1402	

ENFP312 **Heat and Mass Transfer**

ENFP312 *(PermReq)* **Heat and Mass Transfer; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department. Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0105	Marino diMarzo	Seats (Total: 30)	
	MW 9:00am - 9:50am M 1:00pm - 2:50pm	EGR 1202 JMP 1109	Lab

ENFP405 **Structural Fire Protection**

ENFP405 *(PermReq)* **Structural Fire Protection; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. Restriction: Must be in Engineering: Fire Protection program; and permission of ENGR-Fire Protection Engineering department. Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	Jason Sutula, Stephen Hill	Seats (Total: 30)	
	Th 5:30pm - 7:15pm	CSS 2324	
	Th 7:20pm - 8:10pm	CSS 2324	Discussion

ENFP413 **Advanced Life Safety Analysis**

ENFP413 *(PermReq)* **Advanced Life Safety Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP250. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP613. Credit only granted for: ENFP413 or ENFP613. Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety calculations. Physiology and toxicology of the fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.

0101	Erica Kuligowski, James Milke	Seats (Total: 30)
	W 4:00pm - 6:45pm	ITV 1111

ENFP415 **Fire Dynamics**

ENFP415 *(PermReq)* **Fire Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP651. Credit only granted for: ENFP415 or ENFP651. Introduction to premixed and diffusion flames; ignition, flame spread and rate of burning; fire plumes; flame radiation.

0101	Stanislav Stoliarov	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	PLS 1130

ENFP425 **Enclosure Fire Modeling**

ENFP425 *(PermReq)* **Enclosure Fire Modeling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232, ENFP300, and ENFP312. Restriction: Must be in Engineering: Fire Protection program; and senior standing; and permission of ENGR-Fire Protection Engineering department. An introduction to enclosure fire dynamics through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. The objectives of the course are: to provide a basic understanding of enclosure fire dynamics with an emphasis on a system-level viewpoint (i.e., a global description of the coupling between combustion dynamics, smoke filling, vent flows and heat transfer); and to provide an introduction to the zone modeling approach. Topics covered include a review of the mathematical formulation of zone models, a discussion of numerical integration of the zone modeling equations (using MATLAB), and an introduction to zone modeling software used by professional engineers (e.g., CFAST).

0101	Arnaud Trouve	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	ITV 1111

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489N **Special Topics; Fire and Explosion: Investigation and Reconstruction**

ENFP489N *(PermReq)* **Special Topics: Fire and Explosion: Investigation and Reconstruction; (3 credits)** Grade Method: REG/P-F/AUD.
For students with senior standing.

0101	Noah Ryder	Seats (Total: 20)
	M 4:00pm - 6:45pm	JMP 1109

ENFP489W **Special Topics; Wildland Fires: Science and Applications**

ENFP489W *(PermReq)* **Special Topics: Wildland Fires: Science and Applications; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fire Protection Engineering department.

0101	Michael Gollner	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CHM 1224

ENFP613 **Human Response to Fire**

ENFP613 *(PermReq)* **Human Response to Fire; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP413. Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.

0101	Erica Kuligowski, James Milke	Seats (Total: 15)
	W 4:00pm - 6:45pm	ITV 1111

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1-3 credits)** Grade Method: REG/AUD.

0101	Arnaud Trouve	Seats (Total: 5)
	Contact instructor or department for details.	

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 *(PermReq)* **Analytical Procedures of Structural Fire Protection; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENFP405 and ENFP312. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	Stephen Hill, Jason Sutula Th 5:30pm - 7:15pm Th 7:20pm - 8:10pm	Seats (Total: 6) CSS 2324 CSS 2324	 Discussion
EF01	Susan Lamont, Darlene Rini **Meets September 2, 2014 - November 21, 2014** Class time/details on ELMs	Seats (Total: 20) ONLINE	

ENFP625 **Advanced Fire Modeling**

ENFP625 *(PermReq)* **Advanced Fire Modeling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Fire Protection Engineering department. Validity, utility, reliability of current computer models. Applications of models in risk assessment, underwriting, loss prediction, hazard analysis. Development and validation of specific application models.

0101	Arnaud Trouve, Randall McDermott TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 1102

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629N **Selected Topics; Fire and Explosion: Investigation and Reconstruction**

ENFP629N *(PermReq)* **Selected Topics: Fire and Explosion: Investigation and Reconstruction; (3 credits)** Grade Method: REG/AUD.

0101	Noah Ryder M 4:00pm - 6:45pm	Seats (Total: 10) JMP 1109

ENFP629W **Selected Topics; Wildland Fires: Science and Applications**

ENFP629W Selected Topics: Wildland Fires: Science and Applications; (3 credits) Grade Method: REG/AUD.

0101	Michael Gollner TuTh 9:30am - 10:45am	Seats (Total: 15) CHM 1224

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP651 **Advanced Fire Dynamics**

ENFP651 *(PermReq)* **Advanced Fire Dynamics; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: ENFP629A or ENFP651. Formerly: ENFP629A. A review of the basic chemistry and physics necessary to understanding fire dynamics; and of the physics of heat transfer and turbulent fluid flow will be given. The nature and structure of premixed and diffusion flames will be presented.

0101	Stanislav Stoliarov TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1130
EF01	Douglas Carpenter, Richard Roby **Meets September 2, 2014 - November 21, 2014** Class time/details on ELMs	Seats (Total: 35) ONLINE

ENFP654 **Fire Suppression Sprays**

ENFP654 Fire Suppression Sprays; (3 credits) Grade Method: REG/AUD. *Recommended: ENFP300; and ENFP312.* Fire suppression mechanisms and goals are presented as a basis for fire suppression spray and nozzle designs. Basic spray formation theory is presented describing how sprays are generated by fire suppression nozzles (e.g. sprinklers). Methods and techniques are introduced for measuring and analyzing sprays based on their drop size distributions. Basic equations for evaluating the dispersion and coverage performance of sprays are presented.

0101	Andre Marshall TuTh 11:00am - 12:15pm	Seats (Total: 20) ITV 1111

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Fall 2014

ENGL101 **Academic Writing**

English as a second language classes are listed under UMEI.
For more detailed course descriptions, click here to visit the English department website.
ENGL101 Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101.

0101	Norrell Edwards MWF 9:00am - 9:50am	Seats (Total: 19) ASY 3221
0102	Sharon Higby MWF 9:00am - 9:50am	Seats (Total: 19) SQH 2119
0103	Audrey Farley MWF 9:00am - 9:50am	Seats (Total: 19) SQH 1123

0104	William Pittman MWF 9:00am - 9:50am	Seats (Total: 19) SYM 0209
0105	Katherine Kipp MWF 9:00am - 9:50am	Seats (Total: 19) SQH 2121
0201	Sharon Higby MWF 10:00am - 10:50am	Seats (Total: 19) ASY 3221
0202	Amanda Giffi MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1172
0203	Jeremy Metz MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1111
0204	Amanda Allen MWF 10:00am - 10:50am	Seats (Total: 19) EDU 1210B
0205	Christopher Hazlett MWF 10:00am - 10:50am	Seats (Total: 19) WDS 1127
0206	Katherine Kipp MWF 10:00am - 10:50am	Seats (Total: 19) SQH 2119
0301	Daniel Kason MWF 11:00am - 11:50am	Seats (Total: 19) ASY 3217
0302	Andrea Knowles MWF 11:00am - 11:50am	Seats (Total: 19) ARC 1121
0303	Christopher Hazlett MWF 11:00am - 11:50am	Seats (Total: 19) WDS 1127
0304	Amanda Allen MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1164
0401	William Pittman MWF 12:00pm - 12:50pm	Seats (Total: 19) LEF 1222
0402	Andrea Knowles MWF 12:00pm - 12:50pm	Seats (Total: 19) ASY 3217

0403	Lea Landrus MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0108
0404	Blaire Perel MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1105
0405	Kelsey Kerr MWF 12:00pm - 12:50pm	Seats (Total: 19) LEF 1221
0501	Kelsey Kerr MWF 1:00pm - 1:50pm	Seats (Total: 19) WDS 1131
0502	Carissa Halston MWF 1:00pm - 1:50pm	Seats (Total: 19) ASY 3215
0503	Rachel Penman MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 2119
0504	Aaron Brown MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 1123
0601	Susanna Compton MWF 2:00pm - 2:50pm	Seats (Total: 19) JMZ 3203
0602	Abbey Morgan MWF 2:00pm - 2:50pm	Seats (Total: 19) SQH 1123
0603	Peter Grybauskas MWF 2:00pm - 2:50pm	Seats (Total: 19) SYM 0209
0604	Kendisan Kusumaatmadja MWF 2:00pm - 2:50pm	Seats (Total: 19) SKN 1112
1001	Kelly Forsythe TuTh 8:00am - 9:15am	Seats (Total: 19) ASY 3217
1002	Eleanor Tipton TuTh 8:00am - 9:15am	Seats (Total: 19) ASY 3221
1101	Kelly Forsythe TuTh 9:30am - 10:45am	Seats (Total: 19) ASY 3217

1102	Collier Cobb TuTh 9:30am - 10:45am	Seats (Total: 19) ASY 3219
1103	Nicholas Slaughter TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1158
1104	Sharon Higby TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 2121
1105	Anne Price TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 1124
1106	Lauren Albright TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 3120
1201	Ali Goldstein TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 2119
1202	Laura Williams TuTh 11:00am - 12:15pm	Seats (Total: 19) ARC 1127
1203	Susan Pramschufer TuTh 11:00am - 12:15pm	Seats (Total: 19) KEY 0120
1204	James Goodwin TuTh 11:00am - 12:15pm	Seats (Total: 19) JUL 1105
1205	Cherie Walsh TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 2121
1206	Jennifer Ausden TuTh 12:30pm - 1:45pm	Seats (Total: 19) ASY 3221
1207	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0224
1301	Niloufar Etemad Sarabi TuTh 12:30pm - 1:45pm	Seats (Total: 19) LEF 1222
1302	John Macintosh TuTh 12:30pm - 1:45pm	Seats (Total: 19) ARC 1125

1303	Ruth Morris TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1162
1304	Jennifer Ross TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0120
1305	Cherie Walsh TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 1127
1401	Jesse Brooks TuTh 2:00pm - 3:15pm	Seats (Total: 19) ARM 0120
1402	Brian Davis TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0118
1403	Emily Banks TuTh 2:00pm - 3:15pm	Seats (Total: 19) WDS 1131
1404	Lindsay Fowler TuTh 2:00pm - 3:15pm	Seats (Total: 19) WDS 0104
1405	Jennifer Ausden TuTh 2:00pm - 3:15pm	Seats (Total: 19) JUL 1105
BL01	Lyra Hilliard W 9:30am - 10:45am M 9:30am - 10:45am	Seats (Total: 19) TWS 1106 ONLINE
BL02	Lyra Hilliard W 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 19) TWS 1105 ONLINE
BL03	Douglas Kern W 12:30pm - 1:45pm M 12:30pm - 1:45pm	Seats (Total: 19) TWS 1106 ONLINE
BL04	Douglas Kern W 2:00pm - 3:15pm M 2:00pm - 3:15pm	Seats (Total: 19) SQH 2119 ONLINE

BL05	Joani Elliott MF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 19) SQH 1111 ONLINE
BL06	Joani Elliott MF 1:00pm - 1:50pm Class time/details on ELMs *This class meets in person twice a week; the other class work is done online.*	Seats (Total: 19) SQH 1105 ONLINE
BL07	David Brookshire Tu 9:30am - 10:45am Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) TWS 0221 ONLINE
BL08	David Brookshire Tu 11:00am - 12:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) ASY 3221 ONLINE
BL09	Thomas Earles Tu 12:30pm - 1:45pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 2120 ONLINE
BL10	David Brookshire Tu 2:00pm - 3:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 2122 ONLINE
FC01	Emily Lyons MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2121
FC02	Emily Lyons MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2121
FC03	Emily Lyons MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 1123

FC04	Maggie Ray MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2121
FC05	Ena Djordjevic MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 1111
FC06	Maggie Ray MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2119
FC07	Ena Djordjevic MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2120
FC08	Amanda Fiore TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 1111
FC09	Carlea Holl-Jensen TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) WDS 1127
FC10	Adam Fishbein TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) TWS 1106
FC11	Kshiti Vaghela TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 1111
FC12	Carlea Holl-Jensen TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2119
FC13	Shaun Gannon TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) ASY 3219

FC14	Adam Binkley TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) ASY 3211
FC15	Anna Bedford TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) ASY 3215
FC16	Kshiti Vaghela TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 1111
FC17	Elizabeth Acevedo TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) HBK 1108
FC18	Shaun Gannon TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2121
FC19	Amanda Giffi MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SQH 2120
FC20	Amanda Giffi MW 4:30pm - 5:45pm	Seats (Total: 19) JMZ 1117

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1701	Stephanie Allen TuTh 9:30am - 10:45am	Seats (Total: 15) KEY 0119
1702	Stephanie Allen TuTh 12:30pm - 1:45pm	Seats (Total: 15) ARC 1121

1703	Kirk Greenwood MWF 12:00pm - 12:50pm	Seats (Total: 15) KNI 1105

ENGL101C **Academic Writing**

ENGL101C Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Restricted to students in the Civicus Program.

0209	Kirk Greenwood MWF 10:00am - 10:50am	Seats (Total: 19) SOM 0101
0311	Kirk Greenwood MWF 11:00am - 11:50am	Seats (Total: 19) SOM 0101

ENGL101H **Academic Writing**

ENGL101H Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. For general honors students or students with a verbal SAT of 600 or better.

0109	Sarah Pleydell MWF 9:00am - 9:50am	Seats (Total: 19) SQH 2122
0211	Catherine Bayly MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0125
0312	Catherine Bayly MWF 11:00am - 11:50am	Seats (Total: 19) SQH 2120
0407	Mary Foster MWF 12:00pm - 12:50pm	Seats (Total: 19) LEF 1220
0408	Christopher Hazlett MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1123
0509	Mary Foster MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 2122

1111	Justin Lohr TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1103
1214	Justin Lohr TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 2120
1311	Justin Lohr TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 1103

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. This course is restricted to College Park Scholars.

0107	Rachel Waugh MWF 9:00am - 9:50am	Seats (Total: 19) CCC 1111
0210	Rachel Waugh MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1115
0212	Radford Skudrna MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1105
0314	Peter Grybauskas MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1105
0315	Ruth Osorio MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1115
0411	Peter Grybauskas MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1105
0412	Ruth Osorio MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1115
0511	Radford Skudrna MWF 1:00pm - 1:50pm	Seats (Total: 19) CCC 1105

0512	Peter Grybauskas MWF 1:00pm - 1:50pm	Seats (Total: 19) CCC 1115
0607	Radford Skudrna MWF 2:00pm - 2:50pm	Seats (Total: 19) CCC 1105
1113	Heather McHale TuTh 9:30am - 10:45am	Seats (Total: 19) CCC 1115
1212	John Kim TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1105
1213	Kathryn Kaczmarek TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1115
1214	Heather McHale TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1200
1312	John Kim TuTh 12:30pm - 1:45pm	Seats (Total: 19) CCC 1115

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Limited to students for whom English is a second language. The following are indications that a student should register for English 101X: 1) an iBT TOEFL score of 100 overall, with a writing section score of at least 24; 2) an IELTS score of 7.0 overall, with a writing score of at least 7.0; 3) satisfactory completion of UMEI 005: Advanced English as a Foreign Language.

2002	Cherie Walsh TuTh 9:30am - 10:45am	Seats (Total: 18) JMZ 2120
2003	Amanda Fiore TuTh 11:00am - 12:15pm	Seats (Total: 18) KEY 0123
2004	William Pittman MWF 10:00am - 10:50am	Seats (Total: 18) ARC 1123

2005	Kendisan Kusumaatmadja MWF 12:00pm - 12:50pm	Seats (Total: 18) TWS 0207
2006	Amanda Fiore TuTh 2:00pm - 3:15pm	Seats (Total: 18) JMZ 3203
2007	Lea Landrus MWF 11:00am - 11:50am	Seats (Total: 18) PLS 1172

ENGL201 **Inventing Western Literature: Ancient and Medieval Traditions**

ENGL201 Inventing Western Literature: Ancient and Medieval Traditions; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Jennifer Ross TuTh 11:00am - 12:15pm	Seats (Total: 30) COL 0101

ENGL202 **Inventing Western Literature: Renaissance to Modern**

ENGL202 Inventing Western Literature: Renaissance to Modern; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0201	Sarah Pleydell MWF 10:00am - 10:50am	Seats (Total: 30) KEY 0126

ENGL206 **Shakespeare**
Contact department for information to register for this course.

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Sharon Higby	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 2109

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Virginia Butler	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	TLF 1101

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0101	Sarah Bonnie	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	HBK 0105

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0301	John Macintosh TuTh 9:30am - 10:45am	Seats (Total: 30) JMZ 0208
0401	Michael Colson TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1105

ENGL233 **Introduction to Asian American Literature**

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.* A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis M 5:00pm - 7:30pm	Seats (Total: 30) ASY 3207

ENGL234 **African-American Literature and Culture**

ENGL234 African-American Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America. Also offered as AASP298L. Credit will be granted for one of the following: AASP298L or ENGL234.

0101	Lewis Gleich TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0120
0201	Abbey Morgan MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0125

ENGL241 **What the Novel Does**

ENGL241 What the Novel Does; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of what the novel does that cannot be done by film, by television, by cell-phone screens, by any stream of images, or by textual excerpts pulled up for a quick read. The different ways of the novel, with particular focus on the process of thinking and the developed consciousness. The novel as a machine to think with and an irreplaceable model of complex human thought. Study of how thought is presented in radically different ways in novels that cross lines of class, gender, chronology, and nationality.

0101	John Auchard TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 0201	 Discussion
0102	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 0201	 Discussion
0103	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 0201	 Discussion
0104	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 TWS 0201	 Discussion

ENGL243 **What is Poetry?**

ENGL243 What is Poetry?; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0101	Michael Collier MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 1106	 Discussion

0102	Michael Collier	Seats (Total: 22)	
	MW 12:00pm - 12:50pm F 11:00am - 11:50am	TWS 1100 TWS 1106	 Discussion
0103	Michael Collier	Seats (Total: 22)	
	MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	TWS 1100 TWS 1106	 Discussion
0104	Michael Collier	Seats (Total: 22)	
	MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	TWS 1100 TWS 1106	 Discussion

ENGL244 **The Play's the Thing**

ENGL244 The Play's the Thing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Maggie Ray	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TLF 1101	

ENGL245 **Film Form and Culture**

ENGL245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.
Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm Th 3:30pm - 6:00pm F 10:00am - 10:50am	JMZ 0220 JMZ 0220 TWS 0236	 Lab Discussion

0102	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	F 11:00am - 11:50am	TWS 0236	Discussion
0103	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	F 12:00pm - 12:50pm	TWS 0236	Discussion
0104	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	F 1:00pm - 1:50pm	TWS 0236	Discussion
0105	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	Class time/details on ELMs	ONLINE	Discussion
0106	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	Class time/details on ELMs	ONLINE	Discussion
FCH1	Caitlin McGrath	Seats (Total: 20)	
	W 6:00pm - 7:15pm	TWS 0201	
	Class time/details on ELMs	ONLINE	
	Restricted to students in Freshmen Connection.		

ENGL250 Reading Women Writing

ENGL250 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0201	Elise Auvil TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1105

ENGL255 **Literature of Science and Technology**

ENGL255 Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: ENGL255 or ENGL278T. Formerly: ENGL278T. Examines science and technology through the lens of British and American literature, primarily between 1800 and the present. Readings from early natural and experimental philosophers of the Scientific Revolution and Enlightenment. How literary works represent the ethics of science and technology; beneficial developments of science, and also heavy toll of industrialization. Writers studied may include Francis Bacon, Mary Shelley, Charles Darwin, H.G. Wells, Albert Einstein, Aldous Huxley, Richard Feynman, Philip K. Dick, Octavia Butler, Michael Frayn, and Tom Stoppard.

0101	Nicholas Slaughter TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1117
FC01	Michelle Boswell TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TWS 0205

ENGL262 **Introduction to the Hebrew Bible/Old Testament**

ENGL262 Introduction to the Hebrew Bible/Old Testament; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as: JWST262. Credit only granted for: JWST262, HEBR223, or ENGL262. Formerly: HEBR223. An exploration of the origins and compositional history of biblical literature. Critical study of texts and socio-historical analysis of their background.

0101	Maxine Grossman TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1119

ENGL265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

ENGL265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265. Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman MWF 11:00am - 11:50am	Seats (Total: 30) TWS 1107
0201	Collier Cobb TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2117

ENGL269B **Special Topics in Study Abroad II; Writing Workshop I**
Contact department for information to register for this course.

ENGL269C **Special Topics in Study Abroad II; Writing Workshop II**
Contact department for information to register for this course.

ENGL269R **Special Topics in Study Abroad II; Writing Rome**
Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

ENGL271 Writing Poems and Stories: An Introductory Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Emily Banks TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 1117
0201	Mason Henderson MW 2:00pm - 3:15pm *Restricted to students in the new Carillion Write Now living learning community.*	Seats (Total: 15) TWS 3136
FC01	Elizabeth Acevedo TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) PLS 1176

ENGL272 **Writing Fiction: A Beginning Workshop**

ENGL272 Writing Fiction: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Ali Goldstein TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 0236
0201	Carissa Halston MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0201
0301	Jesse Brooks TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 2117
0401	Lindsay Fowler TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 1131

ENGL273 **Writing Poetry: A Beginning Workshop**

ENGL273 Writing Poetry: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Anne Price TuTh 12:30pm - 1:45pm	Seats (Total: 20) TLF 1103
0201	Ruth Morris TuTh 2:00pm - 3:15pm	Seats (Total: 20) LEF 1220

ENGL274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

ENGL274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed ENGL278C, AASP298W, ENGL271, ENGL274, ENGL294, ENGL294N, or AASP274. Also offered as: AASP274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: ENGL278C. Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Dorothy Phaire TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL278D **Special Topics in Literature; Writing to be Seen: Scriptwriting for Theatre, Film and Television**

ENGL278D Special Topics in Literature: Writing to be Seen: Scriptwriting for Theatre, Film and Television; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
Introduction to the theory and practice of scriptwriting, with an emphasis on the critical reading of textual/visual literary models. Students prepare frequent writing exercises and provide feedback for each other's scripts in a workshop format.

FC01	Douglas Kern	Seats (Total: 15)
	MW 7:30pm - 8:45pm	TWS 1107
	Restricted to students in Freshmen Connection.	

ENGL280 **The English Language**

ENGL280 The English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Introduction to the structure of English and its historical development, with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

0101	Linda Coleman	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 1107

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Eleanor Tipton	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEY 0123

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Cameron Mozafari	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	KEY 0123

ENGL289B **The Rites of Discovery: Science, Law, and Literature 1492-1992**

ENGL289B The Rites of Discovery: Science, Law, and Literature 1492-1992; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Ralph Bauer MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0214	Discussion
0102	Ralph Bauer MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0214	Discussion
0103	Ralph Bauer MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0214	Discussion
0104	Ralph Bauer MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0214	Discussion

ENGL289I **Acting Human: Shakespeare and the Drama of Identity**

ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Kimberly Coles TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0102	Kimberly Coles TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0103	Kimberly Coles TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0104	Kimberly Coles TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0221	Discussion

ENGL289X **Breaking News: Contemporary Literature, Media and the State**

ENGL289X Breaking News: Contemporary Literature, Media and the State; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Linda Kauffman MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion
0102	Linda Kauffman MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion
0103	Linda Kauffman MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion
0104	Linda Kauffman MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion

ENGL291 **Intermediate Writing**

ENGL291 Intermediate Writing; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice. Writing essays, the revision process, and editing techniques.

0101	Cameron Mozafari MWF 11:00am - 11:50am	Seats (Total: 22) HBK 1108

ENGL293 **Writing in the Wireless World**

ENGL293 Writing in the Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z. A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, analyze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Kathryn Kaczmarek TuTh 2:00pm - 3:15pm	Seats (Total: 22) MMH 1304

ENGL295 **Literature in a Wired World**

ENGL295 Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W. An introduction to the changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

0101	Daniel Kason MWF 12:00pm - 12:50pm	Seats (Total: 30) SQH 1103
FCH1	David Brookshire M 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3211 ONLINE

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Maggie Ray MW 11:00am - 12:15pm	Seats (Total: 23) TWS 0205
0201	Laura Rosenthal MW 12:30pm - 1:45pm	Seats (Total: 23) TWS 3132
0401	Lee Konstantinou TuTh 11:00am - 12:15pm	Seats (Total: 23) TWS 0221
0501	Michelle Boswell TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 3132
0601	Lee Konstantinou TuTh 2:00pm - 3:15pm	Seats (Total: 23) TWS 3132

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Restriction: Must not have completed ENGL403 or ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Amanda Bailey TuTh 11:00am - 12:15pm	Seats (Total: 28) TWS 0201
0201	Kent Cartwright MW 8:00am - 9:15am	Seats (Total: 28) TWS 1105

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 0214

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Tita Chico MW 3:30pm - 4:45pm	Seats (Total: 28) TWS 0236

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

0101	Jason Rudy TuTh 2:00pm - 3:15pm	Seats (Total: 28) TWS 0205

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 28) TWS 0221	

ENGL317 **African American Literature**

ENGL317 African American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Must have completed two lower-level English courses, at least one in literature; or permission of ARHU-English department. Consideration of key texts in African American literature that explore the experiences of people of African descent in America from the mid-nineteenth century to the contemporary moment. Relationship between literary texts, historical events and cultural formations. Examines a range of texts and genres (autobiography, slave narrative, travel narrative, poetry, essays, fiction), and their contribution to national literary tradition.

0101	Edlie Wong MW 12:30pm - 1:45pm	Seats (Total: 28) TWS 0221	

ENGL329C **Special Topics in Film Studies; Sexuality in the Cinema**

ENGL329C Special Topics in Film Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Also offered as CMLT398L. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

0101	Eugene Robinson TuTh 12:30pm - 1:45pm Tu 3:30pm - 5:30pm	Seats (Total: 28) TWS 1107 TWS 1100	 Lab

ENGL329J **Special Topics in Film Studies; The Films of Alfred Hitchcock**

ENGL329J Special Topics in Film Studies: The Films of Alfred Hitchcock; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, FILM283, or SLLC283; or permission of ARHU-English department.

0101	Marianne Conroy TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 28) TWS 1107 HBK 0302H

ENGL339A **Native American Literature; American Indian Literatures: Traditions, Protest, and Renewal**

ENGL339A Native American Literature: American Indian Literatures: Traditions, Protest, and Renewal; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST328K. Credit granted for ENGL339A or AMST328K.

0101	Ralph Bauer MW 5:00pm - 6:15pm	Seats (Total: 28) TWS 0205

ENGL345 **Twentieth Century Poetry**
Contact department for information to register for this course.

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Brian Richardson TuTh 3:30pm - 4:45pm	Seats (Total: 28) TWS 0201

ENGL348F **Literary Works by Women; Women on the Frontier**

ENGL348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 1106

ENGL352 **Intermediate Fiction Workshop**

ENGL352 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396. A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

0101	Carlea Holl-Jensen MW 3:30pm - 4:45pm	Seats (Total: 15) TWS 0214
0201	Thomas Earles TuTh 3:30pm - 4:45pm	Seats (Total: 15) TWS 3136

ENGL353 **Intermediate Poetry Workshop**

ENGL353 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397. A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

0101	Lindsay Bernal TuTh 5:00pm - 6:15pm	Seats (Total: 15) TWS 3136

ENGL358C **Special Topics in U.S. Latina/o Literature; The Politics of Chicano Literature**

ENGL358C Special Topics in U.S. Latina/o Literature: The Politics of Chicano Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328M and USLT498Y. Credit granted for ENGL358C, AMST328M or USLT498Y.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 28) TWS 0214

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century. Also offered as AASP398J. Credit granted for ENGL362 or AASP398J.

0101	Merle Collins TuTh 3:30pm - 4:45pm	Seats (Total: 28) TWS 0236

ENGL368D **Special Topics in the Literature of Africa and the African Diaspora; African American Folklore in Film and Literature**

ENGL368D Special Topics in the Literature of Africa and the African Diaspora: African American Folklore in Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AASP398F. Credit granted for ENGL368D or AASP398F.

0101	Barry Pearson TuTh 11:00am - 12:15pm	Seats (Total: 28) TWS 1106

ENGL369G **Special Topics in Study Abroad III; Adapting Literature to Screen**
Contact department for information to register for this course.

ENGL369H **Special Topics in Study Abroad III; London Stage**
Contact department for information to register for this course.

ENGL369K **Special Topics in Study Abroad III; Great Directors**
Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

ENGL369Q **Special Topics in Study Abroad III; Literature of the Shoah**
Contact department for information to register for this course.

ENGL369Z **Special Topics in Study Abroad III; The London Stage**
Contact department for information to register for this course.

ENGL373 **Senior Honors Project**

ENGL373 *(PermReq)* **Senior Honors Project; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL370. Restriction: Must be in English Language and Literature program. Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Randy Ontiveros	Seats (Total: 20)
	Th 3:30pm - 5:30pm	TWS 3252

ENGL379C **Special Topics in Literature; Literature and Film of the Civil Rights Movement**

ENGL379C Special Topics in Literature: Literature and Film of the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Washington	Seats (Total: 28)
	MW 2:00pm - 3:15pm	TWS 1106

ENGL379E **Special Topics in Literature; Transmedia Fictions: Telling Stories Across Page, Screen, and Worlds**

ENGL379E Special Topics in Literature: Transmedia Fictions: Telling Stories Across Page, Screen, and Worlds; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to stories whose fictional elements are scattered across and embedded in websites, museums, books, text messages, social media, computer code, collectible cards, billboards, and even the smoky exhaust of skywritten text. Examples include Year Zero (2007), created by the rock band Nine Inch Nails in collaboration with 42 Entertainment; and S.(2013), a novel-based transmedia fiction conceived by the television and film producer J. J. Abrams.

0101	Kari Kraus	Seats (Total: 28)
	TuTh 3:30pm - 4:45pm	TWS 0221

ENGL379J **Special Topics in Literature; Representing the Holocaust**

ENGL379J Special Topics in Literature: Representing the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Students will read fiction, critical essays, and poems and view movies in order to consider our role as readers in serving as "witnesses" to an event that has marked itself indelibly in the aesthetic history of the twentieth century as pushing the "limits of representation". Also offered as JWST419J. Credit will be granted for: ENGL379J or JWST 419J.

0101	Sheila Jelen	Seats (Total: 40)
	MW 11:00am - 12:15pm	TWS 0214

ENGL379M **Special Topics in Literature; British Plays in Performance**

ENGL379M *(PermReq)* **Special Topics in Literature: British Plays in Performance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Olmert	Seats (Total: 21)
	M 3:30pm - 6:15pm	TWS 1121

ENGL379V **Special Topics in Literature; Gypsy Culture**

ENGL379V Special Topics in Literature: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Also offered as CMLT398N. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

0101	Eugene Robinson	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	TWS 1107

ENGL381 **MGA Legislative Seminar**

ENGL381 *(PermReq)* **MGA Legislative Seminar; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: Permission of ARHU-English department. Classroom analysis component of the Maryland General Assembly internship program.

0101	Thomas Lowderbaugh Tu 3:30pm - 6:00pm	Seats (Total: 30) TWS 0232

ENGL384 **Concepts of Grammar**

ENGL384 Concepts of Grammar; (3 credits) Grade Method: REG/P-F/AUD. Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.

0101	Michael Israel TuTh 2:00pm - 3:15pm	Seats (Total: 28) TWS 0214

ENGL388A **Writing Internship; Second Life Workshop in African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Martha Nell Smith Contact instructor or department for details.	Seats (Total: 5)

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Karen Lewis Contact instructor or department for details.	Seats (Total: 20)

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 25)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; Maryland Institute for Technology in the Humanities Internships**

ENGL388T *(PermReq)* **Writing Internship: Maryland Institute for Technology in the Humanities Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388V **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

ENGL388V *(PermReq)* **Writing Internship: Undergraduate Teaching Assistants in Writing Programs; (1-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Students taking ENGL388V for the first time should register for section 0101 for 4 credits. When taking the course the course again in subsequent semesters, students should register for 0201 for 3 credits.

0101	Linda Macri	Seats (Total: 16)
	M 6:30pm - 7:45pm	TWS 0205
0201	Linda Macri	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Thomas Earles, Leigh Ryan	Seats (Total: 20)
	W 3:30pm - 6:00pm	TWS 0201

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

0101	Mary Shea M 9:00am - 9:50am W 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) TWS 0207 TWS 0223 TWS 0230
0201	Mary Shea M 10:00am - 10:50am W 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) TWS 0207 TWS 0223 TWS 0230
0301	Mary Shea M 11:00am - 11:50am W 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 19) TWS 0207 TWS 0223 TWS 0230
0401	Katherine Oneill MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 1108
0501	Katherine Oneill MWF 1:00pm - 1:50pm	Seats (Total: 19) MMH 1304
1101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0207
1301	John Matthews TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0207

1401	Paul Haynos Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0230 TWS 1105
1501	Michelle Boswell TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0205
1502	Paul Haynos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) TWS 0230 SQH 2120
1505	Paul Haynos Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) TWS 0230 TWS 0207
1801	Instructor: TBA W 6:30pm - 9:00pm	Seats (Total: 19) TWS 1105

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more course information.

0202	Donald McNeilly MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) ARC 1127 ARC 1121
0301	Donald McNeilly MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0234
0401	Catherine Bayly MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1121
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0123

0501	Donald McNeilly MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0207
0502	Catherine Bayly MWF 1:00pm - 1:50pm	Seats (Total: 19) ARC 1123
0601	Ann Bracken MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0207
0701	Ann Bracken MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0207
1101	Danuta Hinc Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) TWS 0234 TWS 0232
1102	Kara Pleasants TuTh 9:30am - 10:45am	Seats (Total: 19) BPS 1232
1201	Danuta Hinc Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0207 TWS 0232
1301	Danuta Hinc Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) ARC 1127 TWS 0232
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
BL01	Melanie Faith Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) ONLINE TWS 0221
BL02	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) ONLINE EDU 2101

BL03	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) ONLINE ARC 1127
BL04	Lyra Hilliard Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) TLF 1101 ONLINE

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. For students in the University or departmental Honors program. Click here for more course information.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 19) TWS 3132

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more course information.

0101	Robin Earnest MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) TWS 0224 HBK 0103
0201	Robin Earnest MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) TWS 0224 HBK 1112

1101	John Kim TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 3132
1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0230 JMZ 2117
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0230 HBK 0103
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1701	Michael Winett Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
The writing of technical papers and reports. Click here for more course information.

0101	Samantha Gendler MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) TWS 0230 TWS 1105
0201	Samantha Gendler MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) TWS 0230 TWS 1105
0202	Andrew Delfino MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) TWS 0232 MTH 0104

0301	Samantha Gendler MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 19) TWS 0230 TWS 1105
0302	Andrew Delfino MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 19) TWS 0232 HBK 1112
0303	Vanessa Wang MWF 11:00am - 11:50am	Seats (Total: 19) ARM 0121
0401	Andrew Delfino MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 19) TWS 0232 TWS 1105
0402	Joan Mooney MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0234
0403	Vanessa Wang MWF 12:00pm - 12:50pm	Seats (Total: 19) ARM 0121
0502	Joan Mooney MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1105
0801	Candace Orsetti M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 1105 TWS 0230
1001	Caleb Kriesberg TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1105
1101	Caleb Kriesberg TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 1105
1102	David Paglin TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 0212
1201	Connie Inukai Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 1105 TWS 1105

1301	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) JMZ 2122 JMZ 2122
1302	Daniel Saalfeld Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) HBK 0123 TWS 0230
1401	Daniel Saalfeld Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 1105 TWS 0230
1505	Daune O'Brien Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) TWS 1105 TWS 1105
1601	Amanda Olson M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1602	Sajeela Yaqub M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1603	Kelly Cresap M 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105
1701	Amanda Olson Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1702	Kelly Cresap Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0207
1801	Paul Haynos W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1802	Mary Sirianni W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0205
1901	Daune O'Brien Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0234

1902	Daniel Saalfeld Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
3001	Alexandra Calloway F 9:00am - 11:40am	Seats (Total: 19) TWS 0232
BL21	Pamela Orel M 2:00pm - 3:15pm W 2:00pm - 3:15pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) KEY 0117 ONLINE
BL22	Phillip Moses W 2:00pm - 3:15pm M 2:00pm - 3:15pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) ASY 3217 ONLINE
BL23	Pamela Orel M 3:30pm - 4:45pm W 3:30pm - 4:45pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) ASY 3217 ONLINE
BL24	Phillip Moses W 3:30pm - 4:45pm M 3:30pm - 4:45pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) TWS 1106 ONLINE
BL31	Pamela Orel M 5:00pm - 6:15pm W 5:00pm - 6:15pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) ASY 3217 ONLINE
BL32	Phillip Moses W 5:00pm - 6:15pm M 5:00pm - 6:15pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) ASY 3215 ONLINE
BL41	Phillip Moses W 8:00pm - 9:15pm M 8:00pm - 9:15pm *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 19) ASY 3219 ONLINE

BL42	Pamela Orel M 8:00pm - 9:15pm W 8:00pm - 9:15pm	Seats (Total: 19) ASY 3215 ONLINE
BL51	Sheila Lalwani Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) WDS 1130 ONLINE
BL61	Sheila Lalwani Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) PLS 1180 ONLINE
BL65	Sheila Lalwani Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) EDU 0114 ONLINE
BL75	Michelle Von Euw Th 3:30pm - 4:45pm Tu 3:30pm - 4:45pm	Seats (Total: 19) TWS 1106 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL81	Michelle Von Euw Th 5:00pm - 6:15pm Tu 5:00pm - 6:15pm	Seats (Total: 19) TWS 0236 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
The writing of technical papers and reports. Restricted to students in the University or departmental Honors program. Click here for more course information.

0701	Christopher Crane M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) SQH 2120 WDS 1127

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more course information.

1501	Daniel Saalfeld Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 15) TWS 0207 TWS 0230

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more course information.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0236
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 19) ASY 3217
0202	Karen Angeline MWF 10:00am - 10:50am	Seats (Total: 19) ARC 1125
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 19) ARC 1123
0302	Ceil Goldberg M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 19) ARC 1127 TWS 0224

0401	Ceil Goldberg M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 19) ASY 3219 TWS 0224
0402	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 19) EDU 0202
0501	Karen Angeline MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0234
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 0234 TWS 0224
0602	James Mattson MW 2:00pm - 3:15pm	Seats (Total: 19) SQH 2122
0603	Ellen Blumner M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 0205 TWS 0232
0701	Ellen Blumner M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 1106 TWS 0232
0702	James Mattson MW 3:30pm - 4:45pm	Seats (Total: 19) KEY 0116
0802	Ellen Blumner M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 1106 TWS 0232
1102	Donald McGlew TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 2122
1201	Donald McGlew TuTh 11:00am - 12:15pm	Seats (Total: 19) LEF 1220
1202	Frederick Bolton TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0234

1301	Frederick Bolton TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0234
1302	Shayna Maskell TuTh 12:30pm - 1:45pm	Seats (Total: 19) SYM 0215
1401	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0234 TWS 0224
1402	Elizabeth McClure TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2121
1501	Elizabeth McClure TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0234
1502	Shayna Maskell TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 1105
1505	Shayna Maskell TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0214
1506	James Ball TuTh 5:00pm - 6:15pm	Seats (Total: 19) WDS 1131
1508	James Ball TuTh 6:30pm - 7:45pm	Seats (Total: 19) TLF 1103
1701	Instructor: TBA Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1107
1902	Elizabeth McClure Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 1107
BL01	Clare Parsons Th 8:00am - 9:15am Tu 8:00am - 9:15am	Seats (Total: 19) TWS 1106 ONLINE
BL02	Clare Parsons Th 9:30am - 10:45am Tu 9:30am - 10:45am	Seats (Total: 19) WDS 1130 ONLINE

BL03	Clare Parsons Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 19) JMZ 0103 ONLINE
BL10	Katherine Wilson M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) ONLINE SQH 2117
BL11	Katherine Wilson M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) ONLINE TLF 1101
SG91	James Ball TuTh 12:30pm - 1:45pm	Seats (Total: 22) BLD2 3062
	Restricted to BMGT-Shady Grove Juniors in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Katherine Robinson TuTh 12:30pm - 1:45pm	Seats (Total: 22) BLD2 3052
	Restricted to BMGT-Shady Grove Juniors majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Robinson TuTh 3:30pm - 4:45pm	Seats (Total: 22) BLD2 3052
	Restricted to BMGT-Shady Grove Juniors majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more course information.

0101	Ashlie Kauffman MWF 9:00am - 9:50am	Seats (Total: 19) SYM 0215
0201	Ashlie Kauffman MWF 10:00am - 10:50am	Seats (Total: 19) ITV 1111
0601	Scott Wible MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0221
0801	James Goodwin MW 5:00pm - 6:15pm	Seats (Total: 19) WDS 1130
0901	James Goodwin MW 6:30pm - 7:45pm	Seats (Total: 19) KEY 0117
1001	Instructor: TBA TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1107
1201	Kisa Lape Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) PHY 0405 TWS 0230
1202	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3215
1301	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) HBK 0109
1401	Martha Thomas Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) HBK 1112 TWS 0234
1402	Kisa Lape Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) PLS 1176 TWS 0232
1501	Martha Thomas TuTh 3:30pm - 4:45pm	Seats (Total: 19) JMZ 0125

1505	Joseph Wappel Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) TWS 0234 TWS 0232
1507	Joseph Wappel Tu 6:30pm - 7:45pm Th 6:30pm - 7:45pm	Seats (Total: 19) KEY 0124 TWS 0232
1508	Joseph Wappel Tu 8:00pm - 9:15pm Th 8:00pm - 9:15pm	Seats (Total: 19) TWS 0236 TWS 0232
1801	Daniel Pendick W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
3001	Instructor: TBA F 9:00am - 11:40am	Seats (Total: 19) CHM 2201
BL01	John Matthews Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 19) ASY 3219 ONLINE

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts. Click here for more course information.

1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0214
1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1105
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 19) SKN 1112

1601	Rebecca Ritzel M 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106
1801	Rebecca Ritzel W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214

ENGL398B **Topics in Professional Writing; Writing for Social Entrepreneurship**

ENGL398B Topics in Professional Writing: Writing for Social Entrepreneurship; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0601	Instructor: TBA M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 1105 TWS 1105
0701	Instructor: TBA M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 1105 TWS 1105
0801	Instructor: TBA MW 5:00pm - 6:15pm	Seats (Total: 19) JMZ 2117
1601	Instructor: TBA M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0236
1801	Amy Kincaid W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narratives**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narratives; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports. Click here for more course information.

0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 1107
0801	Joshua Buursma MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0236
1507	Joshua Buursma MW 6:30pm - 7:45pm	Seats (Total: 19) KNI 1103
SG91	Joseph Wappel TuTh 9:30am - 10:45am	Seats (Total: 19) BLD3 2225
	Registration is restricted to CCJS-Shady Grove students. Please list room as TBA.	

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics. Click here for more course information.

0801	Michael Winett M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 0234 TWS 0223

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 19) KEY 0125

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits. Click here for more course information.

0301	Jacob Eckstein MWF 11:00am - 11:50am	Seats (Total: 19) EDU 1210B
0401	Jacob Eckstein MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1117
0501	Jacob Eckstein MWF 1:00pm - 1:50pm	Seats (Total: 19) ARC 1127
0601	Elizabeth Fixsen M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 0232 TWS 0205
1201	Zahara Heckscher Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0223 PHY 0405
1301	Zahara Heckscher Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0232 PLS 1168
1302	Rebecca Holden Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0224 TYD 1108
1401	Rebecca Holden Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224 WDS 1127
1402	Zahara Heckscher Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0232 PLS 1117

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

1001	Pamela Gerhardt Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 19) TWS 0232 TWS 0201
1101	Pamela Gerhardt Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) TWS 0232 SQH 2119
1201	Pamela Gerhardt Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0232 ASY 3221
1401	Stewart Foehl TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0122
1501	Stewart Foehl TuTh 3:30pm - 4:45pm	Seats (Total: 19) JMZ 0122

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E. Click here for more course information.

0701	Robert Schubert M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) JMZ 2125 TWS 0224

0801	Lindsay Jacoby M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) SQH 1107 TWS 0224
1201	Ann Mason TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 3252
1301	Ann Mason TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 3136
1701	Ann Mason Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1801	Robert Schubert W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
1901	Ann Mason Th 6:30pm - 9:10pm	Seats (Total: 19) ASY 3217

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Theresa Coletti TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 1106

ENGL408B **Literature by Women Before 1800; The Battle of the Sexes**

ENGL408B Literature by Women Before 1800: The Battle of the Sexes; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kimberly Coles TuTh 2:00pm - 3:15pm	Seats (Total: 23) TWS 0201

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**
Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**
Contact department for information to register for this course.

ENGL409P **Study Abroad Special Topics IV; Phonies, Fakes, Liars and Conmen: Readings in Fact and Fiction**
Contact department for information to register for this course.

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

ENGL416 Literature of the Eighteenth Century, 1700-1750; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Tita Chico MW 12:30pm - 1:45pm	Seats (Total: 23) TWS 0201

ENGL425 **Modern British Literature**

ENGL425 Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.

0101	Brian Richardson TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 0236

ENGL428X **Seminar in Language and Literature; Literary Maryland**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Literary Maryland; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Randy Ontiveros TuTh 2:00pm - 3:15pm	Seats (Total: 16) TWS 3136

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

ENGL431 American Literature: 1810 to 1865, the American Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Robert Levine MW 11:00am - 12:15pm	Seats (Total: 23) TWS 0221

ENGL435 **American Poetry: Beginning to the Present**

ENGL435 American Poetry: Beginning to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Selections of American poetry, from Bradstreet to contemporary free verse. Authors such as Whitman, Dickinson, Bishop, Hughes, Rich, and Frost. Also offered as LGBT459M. Credit will be granted for ENGL435 or LGBT459 M.

0101	Martha Nell Smith MW 3:30pm - 4:45pm	Seats (Total: 23) TWS 0221

ENGL439M **Major American Writers after 1865; Major American Writers After 1865**
Contact department for information to register for this course.

ENGL440 **The Novel in America to 1914**

ENGL440 The Novel in America to 1914; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	John Auchard	Seats (Total: 23)
	TuTh 9:30am - 10:45am	TWS 0205

ENGL448A **Literature by Women of Color; Caribbean Literature by Women**

ENGL448A Literature by Women of Color: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD.

0101	Merle Collins	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	TWS 0214

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two English courses in literature; or permission of ARHU-English department.* The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

0101	Michael Olmert	Seats (Total: 23)
	MW 2:00pm - 3:15pm	TWS 0214

ENGL462 **Folksong and Ballad**

ENGL462 Folksong and Ballad; (3 credits) Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	TWS 1105

ENGL465 **Theories of Sexuality and Literature**

ENGL465 Theories of Sexuality and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Also offered as: LGBT465. Credit only granted for: ENGL465 or LGBT465. An in-depth study of the ways in which sexuality and sexual difference create or confound the conditions of meaning in the production of literary texts. Attention to psychoanalysis, history of sexuality, feminist theory, and other accounts of sexual identity.

0101	James Goodwin	Seats (Total: 23)	
	MW 2:00pm - 3:15pm	TWS 0236	

ENGL468C **Selected Topics in Film Studies; Animation and Cinema**

ENGL468C Selected Topics in Film Studies: Animation and Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, FILM283, or SLLC283; or permission of ARHU-English department. An examination of animation in art, cinema, and other media.

0101	Oliver Gaycken	Seats (Total: 23)	
	TuTh 9:30am - 10:45am	TWS 0201	
	Th 3:30pm - 6:00pm	TWS 1100	Lab

ENGL468F **Selected Topics in Film Studies; The Americas in Film**

ENGL468F Selected Topics in Film Studies: The Americas in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498F and FILM429F. Credit will be granted for CMLT498F, ENGL468F or FILM429F.

0101	Regina Harrison	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	TWS 0205

ENGL471 **African-American Literature: 1910-1945**

ENGL471 African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures. Also offered as AASP478N. Credit granted for ENGL471 or AASP478N.

0101	Instructor: TBA	Seats (Total: 23)
	TuTh 2:00pm - 3:15pm	TWS 1106

ENGL472 **African-American Literature: 1945 to Present**

ENGL472 African-American Literature: 1945 to Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Transformation of African-American literatures into modern and postmodern forms. Influenced by World War II and the Civil Rights and Black Power movements, this literature is characterized by conscious attempts to reconnect literary and folk forms, the emergence of women writers, and highly experimental fiction. Also offered as ENGL472. Credit granted for ENGL472 or AASP478K.

0101	Mary Washington	Seats (Total: 23)
	MW 5:00pm - 6:15pm	TWS 0214

ENGL478D **Selected Topics in English and American Literature before 1800; Shakespeare and Italian Renaissance Comedy**

ENGL478D Selected Topics in English and American Literature before 1800: Shakespeare and Italian Renaissance Comedy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kent Cartwright	Seats (Total: 23)
	MW 11:00am - 12:15pm	TWS 0201

ENGL479D **Selected Topics in English and American Literature after 1800; J.R.R. Tolkien: Middle Earth and Beyond**

ENGL479D Selected Topics in English and American Literature after 1800: J.R.R. Tolkien: Middle Earth and Beyond; (3 credits) Grade Method: REG/P-F/AUD.

0101	Christopher Crane MW 9:30am - 10:45am	Seats (Total: 23) TWS 0205

ENGL479V **Selected Topics in English and American Literature after 1800; Aesthetes, Decadents, and the New Women**

ENGL479V Selected Topics in English and American Literature after 1800: Aesthetes, Decadents, and the New Women; (3 credits) Grade Method: REG/P-F/AUD.
British aestheticism, feminism, and sexology erupted vociferously in the closing decades of the nineteenth century. Course studies this key cultural and historic moment through the works of Oscar Wilde, Robert Lewis Stevenson, Olive Schreiner, Henry James, Rudyard Kipling, and others.

0101	Jason Rudy TuTh 11:00am - 12:15pm	Seats (Total: 23) TWS 0236

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: ENGL487 or COMM401.* Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 23) TWS 0221

ENGL488A **Topics in Advanced Writing; Web Authoring**

ENGL488A Topics in Advanced Writing: Web Authoring; (3 credits) Grade Method: REG/P-F/AUD.

0101	Melanie Kill TuTh 3:30pm - 4:45pm	Seats (Total: 18) TWS 0224

ENGL489C **Special Topics in English Language; The Cognitive Bases of Figurative Language**

ENGL489C Special Topics in English Language: The Cognitive Bases of Figurative Language; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Israel TuTh 9:30am - 10:45am	Seats (Total: 23) TWS 0236

ENGL493 **Advanced Writing Theory and Practice**

ENGL493 Advanced Writing Theory and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: Satisfactory completion of professional writing requirement. Restriction: Must have earned a minimum of 60 credits. Traditional and contemporary approaches to rhetoric and writing theory for advanced writing students who wish to develop their abilities to analyze and produce written texts in professional, public, digital, and/or advanced academic contexts.

0101	Melanie Kill TuTh 5:00pm - 6:15pm	Seats (Total: 23) TWS 0224

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English. Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL352 or ENGL396; or permission of department.

0101	Maud Casey Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3134
0201	Emily Mitchell Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250

ENGL601 **Literary Research and Critical Contexts**

ENGL601 *(PermReq)* **Literary Research and Critical Contexts; (3 credits)** Grade Method: REG/AUD.

0101	Theresa Coletti Tu 3:30pm - 6:00pm	Seats (Total: 14) TWS 3252

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 *(PermReq)* **Critical Theory and Literary Criticism; (3 credits)** Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Martha Nell Smith M 6:30pm - 9:00pm	Seats (Total: 14) TWS 3136

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students). A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Jessica Enoch M 3:30pm - 6:00pm	Seats (Total: 18) TWS 3132

ENGL619A **Special Topics in in Language, Linguistics, and Discourse; Readings in Linguistics Discourse Analysis**

ENGL619A *(PermReq)* **Special Topics in in Language, Linguistics, and Discourse: Readings in Linguistics Discourse Analysis; (3 credits)** Grade Method: REG/AUD.

0101	Linda Coleman W 6:30pm - 9:00pm	Seats (Total: 16) TWS 3136

ENGL625 **Readings in English Victorian Literature**

ENGL625 *(PermReq)* **Readings in English Victorian Literature; (3 credits)** Grade Method: REG/AUD.

0101	Jason Rudy Tu 6:30pm - 9:00pm	Seats (Total: 16) TWS 3248

ENGL628B **Readings in African American Literature; What Was African-American Literature**

ENGL628B *(PermReq)* **Readings in African American Literature: What Was African-American Literature; (3 credits)** Grade Method: REG/AUD.

0101	Edlie Wong W 3:30pm - 6:00pm	Seats (Total: 16) TWS 3136

ENGL668D **Readings in Modern Literary Theory; What is "Postcolonial" Reading?**

ENGL668D *(PermReq)* **Readings in Modern Literary Theory: What is "Postcolonial" Reading?; (3 credits)** Grade Method: REG/AUD.

0101	Sangeeta Ray Tu 3:30pm - 6:00pm	Seats (Total: 16) TWS 3132

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134
0201	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3248
0201	Emily Mitchell W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL719F **Seminar in Renaissance Literature; Early Modern Political Feeling**

ENGL719F *(PermReq)* **Seminar in Renaissance Literature: Early Modern Political Feeling; (3 credits)** Grade Method: REG/AUD.

0101	Amanda Bailey Th 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134

ENGL729B **Seminar in Eighteenth-Century Literature; Theater, Feelings, and Philosophy**

ENGL729B *(PermReq)* **Seminar in Eighteenth-Century Literature: Theater, Feelings, and Philosophy; (3 credits)** Grade Method: REG/AUD.

0101	Laura Rosenthal M 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134

ENGL748G **Seminar in American Literature; The Graphic Novel**

ENGL748G *(PermReq)* **Seminar in American Literature: The Graphic Novel; (3 credits)** Grade Method: REG/AUD.

0101	Lee Konstantinou Th 6:30pm - 9:00pm	Seats (Total: 12) TWS 3252

ENGL788B **Studies in Poetic Form; God, Death, Time, Space, Language, Form**

ENGL788B *(PermReq)* **Studies in Poetic Form: God, Death, Time, Space, Language, Form; (3 credits)** Grade Method: REG/AUD.

0101	Joshua Weiner	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TWS 3248

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Orrin Wang	Seats (Total: 10)
	Contact instructor or department for details.	

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

ENGL879 *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2014

ENMA150 **Materials of Civilization**

ENMA150 Materials of Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Briber TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 40) CHE 2110 CHE 2136	 Discussion
0102	Robert Briber TuTh 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 40) CHE 2110 CHM 0119	 Discussion

ENMA180 **Materials Science and Engineering: The Field and the Future**

ENMA180 Materials Science and Engineering: The Field and the Future; (1 credit) Grade Method: REG.
Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.
Overview of the profession and the components of the Materials Science and Engineering program. Students will become familiar with the departmental faculty, areas of specialization within MSE, professional society student chapter, research opportunities and other resources available to students.

0101	Kathleen Hart M 4:00pm - 4:50pm	Seats (Total: 44) CHM 1228

ENMA300 **Introduction to Materials Engineering**

ENMA300 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Isabel Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 120) CHE 2110
0201	Liangbing Hu TuTh 8:00am - 9:15am	Seats (Total: 100) CHE 2110
0301	Ratna Kolli MWF 10:00am - 10:50am	Seats (Total: 120) CSS 2324

ENMA312 **Experimental Methods in Materials Science**

ENMA312 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Corequisite: ENMA460. Restriction: Junior standing or higher. Introduction to experimental methods in materials characterization; synthesis of colloidal nanoparticles; X-ray diffraction and light scattering; optical microscopy; thermal conductivity and expansion; electrical measurements; heat capacity; computational materials design.

0101	Audaldo Ponce Tu 2:00pm - 3:15pm M 9:00am - 11:50am	Seats (Total: 10) EGR 1102 KEB 1135	 Lab
0102	Instructor: TBA Tu 2:00pm - 3:15pm W 9:00am - 11:50am	Seats (Total: 10) EGR 3106 KEB 1135	 Lab

ENMA362 **Mechanical Properties**

ENMA362 *(PermReq)* **Mechanical Properties; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Junior standing or higher; and permission of ENGR-Materials Science & Engineering department. Overview of Mechanical Behavior, Elastic Behavior, Dislocations, Plastic Deformation, Strengthening of Crystalline Materials, Composite Materials, High Temperature Deformation of Crystalline Materials, Permanent Deformation of Noncrystalline Materials, Tensile Fracture at Low Temperatures, Engineering Aspects of Fracture, High Temperature Fracture, Fatigue, and Experimental determination of Mechanical Properties including Hardness of Metals and Strength of Metals, Polymers, Ceramics and Composites. For ENMA majors only.

0101	Audaldo Ponce, Sreeramamurthy Ankem MW 12:00pm - 1:15pm Tu 9:00am - 11:00am	Seats (Total: 22) ITV 1111 KEB 1135	 Lab
0102	Audaldo Ponce, Sreeramamurthy Ankem MW 12:00pm - 1:15pm Th 9:00am - 11:00am	Seats (Total: 22) ITV 1111 KEB 1135	 Lab

ENMA410 **Materials for Energy I**

ENMA410 *(PermReq)* **Materials for Energy I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA410 or ENMA489H. Formerly: ENMA 489H. The goal is to demonstrate the role of materials in solving one of the most critical socio-economic issues of our time, affordable and sustainable energy. There will be a discussion of U.S. and global energy and related environmental issues. Topics covered include: fuel cells and batteries (electrochemical energy conversion and storage); catalysts and membrane separations (fossil fuel and biomass energy conversion); and nuclear fuels.

0101	Eric Wachsman	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EGR 3102

ENMA431 **Nanomechanics of Biomaterials**

ENMA431 *(PermReq)* **Nanomechanics of Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA431 or ENMA489B. Formerly: ENMA489B. Focuses on the latest scientific developments and discoveries in the nanoscale structure and properties of biological materials. The course begins with introductory lectures on the various nanostructures of biomaterials, and their physiological roles under mechanical forces. General aspects of biopolymers, protein folding, and self-assembly are also covered. Next, a series of in-depth lectures are presented on the characterization methods of nanomechanical properties using single molecule techniques. Finally, current applications of nanobiomaterials in the area of molecular machines, molecular self-assembly, and nanoscaffold are discussed.

0101	Joonil Seog	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	CHE 2145

ENMA460 **Physics of Solid Materials**

ENMA460 Physics of Solid Materials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in Engineering: Materials Science program. Also offered as: PHYS431. Credit only granted for: ENMA460 or PHYS431.* Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi	Seats (Total: 45)
	MW 5:00pm - 6:15pm	CHE 2108

ENMA462 **Smart Materials**

ENMA462 *(PermReq)* **Smart Materials; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA462 or ENMA489B. Formerly: ENMA489B.* A fundamental understanding will be provided as it relates to the following topics: ferroic materials, ferromagnets, ferroelectric materials, shape memory alloys and multiferroic materials that are simultaneously ferromagnetic and ferroelectric. The ferroic properties will be discussed on an atomic, nano- and micro-scales so that actual and potential applications on those scales become clear. Examples of those applications will be presented.

0101	Manfred Wuttig	Seats (Total: 27)
	TuTh 3:30pm - 4:45pm	CHM 0124

ENMA463 **Macroprocessing of Materials**

ENMA463 *(PermReq)* **Macroprocessing of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Junior standing or higher. Processing of modern, bulk engineering materials. Raw materials, forming, firing, finishing and joining. More emphasis on metals and ceramics than polymers.

0101	Isabel Lloyd	Seats (Total: 34)
	TuTh 12:30pm - 1:45pm	EGR 0108

ENMA466 **Advanced Materials Fabrication Laboratory**

ENMA466 *(PermReq)* **Advanced Materials Fabrication Laboratory; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: ENMA465; and permission of ENGR-Materials Science & Engineering department. This course allows students an opportunity to study advanced materials systems in depth through a combination of lectures and hands-on laboratory experiments. Students will be trained in materials processing and characterization techniques. Each student will fabricate materials and devices in our state-of-the-art nanofabrication clean room facility (Fablab), as well as evaluate them using a variety of characterization techniques.

0101	Gary Rubloff M 10:00am - 11:30am Tu 12:30pm - 3:30pm	Seats (Total: 5) CHE 2140 KEB 2300	 Lab
0102	Gary Rubloff M 10:00am - 11:30am Th 9:00am - 12:00pm	Seats (Total: 5) CHE 2140 KEB 2300	 Lab
0103	Gary Rubloff M 10:00am - 11:30am F 12:30pm - 3:30pm	Seats (Total: 5) CHE 2140 KEB 2300	 Lab

ENMA471 **Kinetics, Diffusion and Phase Transformations**

ENMA471 *(PermReq)* **Kinetics, Diffusion and Phase Transformations; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in ENMA461. Restriction: Junior standing or higher; or permission of ENGR-Materials Science & Engineering department. Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials. Also offered as ENPM 663.

0101	Raymond Phaneuf MW 2:00pm - 3:15pm	Seats (Total: 45) ITV 1111	

ENMA475 **Fundamentals of Diffraction Techniques in Materials Science**

ENMA475 Fundamentals of Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270, and PHYS271. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA475 or ENMA489M. Formerly: ENMA489M. This course looks at the advanced methods of x-ray scattering/diffraction available thanks to the more powerful sources available to us. The availability of these sources enables us to study liquid crystals, polymers, nanomaterials, quasiorganized materials (including nano) and disordered materials.

0101	Luz Martinez-Miranda	Seats (Total: 10)
	MW 12:00pm - 1:15pm	EGR 3114

ENMA495 **Polymeric Engineering Materials I**

ENMA495 Polymeric Engineering Materials I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as: ENCH490. Credit only granted for: ENCH490 or ENMA495. Study of polymeric engineering materials and the relationship to structural type. Elasticity, viscoelasticity, anelasticity and plasticity of single and multiphase materials. Emphasis is on polymetric materials.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHE 2136

ENMA499 **Senior Laboratory Project**

ENMA499 Senior Laboratory Project; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Oded Rabin	Seats (Total: 6)
	Contact instructor or department for details.	

ENMA626 **Fundamentals of Failure Mechanisms**

ENMA626 *(PermReq)* **Fundamentals of Failure Mechanisms; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: ENRE600. Credit only granted for: ENMA626, ENMA698M, ENMA698R, or ENRE600. Formerly: ENMA698M and ENMA698R. Advanced failure mechanisms in reliability engineering wiil be taught from a basic materials and defects point of view. The methods of predicting the physics of failure of devices, materials, components and systems are reviewed. The main emphasis will be given to basic degradation mechanisms through understanding the physics, chemistry, and mechanics of such mechanisms. Mechanical failures are introduced through understanding fatigue, creep and yielding in materials, devices and components. The principles of cumulative damage and mechanical yielding theory are taught. The concepts of reliability growth, accelerated life testing, environmental testing are introduced. Physical, chemical and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real electronic devices and electronic packaging will also be presented. Problems related to manufacturing, and microelectronics will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory.

0101	Instructor: TBA M 1:00pm - 3:40pm	Seats (Total: 20) JMP 2217
ER01	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 4)

ENMA631 **Advanced Nanomechanics of Biomaterials**

ENMA631 *(PermReq)* **Advanced Nanomechanics of Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA631 or ENMA698B. Formerly: ENMA698B. Students will develop understanding of the latest scientific developments and discoveries in the nanoscale structure and properties of biological materials. Topics include nanostructures of biomaterials, physiological roles under mechanical forces, biopolymers, protein folding, and self-assembly. Also included are characterization methods of nanomechanical properties using single molecule techniques. Current applications of nanobiomaterials in the area of molecular machines, molecular self-assembly, and nanoscaffold are discussed.

0101	Joonil Seog	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	CHE 2145

ENMA650 **Nanometer Structure of Materials**

ENMA650 *(PermReq)* **Nanometer Structure of Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENMA460; or students who have taken courses with comparable content may contact the department. And permission of ENGR-Materials Science & Engineering department. The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein	Seats (Total: 29)
	MW 5:00pm - 6:15pm	CHE 2118

ENMA660 **Thermodynamics in Materials Science**

ENMA660 *(PermReq)* **Thermodynamics in Materials Science; (3 credits)** Grade Method: REG/AUD.
Corequisite: ENMA650. Restriction: Permission of ENGR-Materials Science & Engineering department. Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Oded Rabin, Alexander Roytburd	Seats (Total: 28)
	MW 2:00pm - 3:15pm	CHE 2145

ENMA680 **Experimental Methods in Materials Science**

ENMA680 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA650. Methods of measuring the structural aspects of materials. Optical and electron microscopy. Resonance methods. Electrical, optical and magnetic measurement techniques. Thermodynamic methods.

0101	Lourdes Salamanca-Riba	Seats (Total: 17)
	TuTh 3:30pm - 4:45pm	JMP 1202

ENMA681 **Diffraction Techniques in Materials Science**

ENMA681 Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCH620. Theory of diffraction of electrons, neutrons and X-rays. Strong emphasis on diffraction methods as applied to the study of defects in solids. Short range order, thermal vibrations, stacking faults, microstrain.

0101	Luz Martinez-Miranda	Seats (Total: 5)
	MW 12:00pm - 1:15pm	EGR 3114

ENMA683 **Structural Determination Laboratory**

ENMA683 *(PermReq)* **Structural Determination Laboratory; (1 credit)** Grade Method: REG.
Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Lourdes Salamanca-Riba Th 9:30am - 12:30pm	Seats (Total: 5) KEB 1237	Lab
0201	Lourdes Salamanca-Riba F 2:00pm - 5:00pm	Seats (Total: 5) KEB 1237	Lab

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Ichiro Takeuchi, Marina Leite F 1:00pm - 2:30pm	Seats (Total: 33) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698P **Special Problems in Materials Science and Engineering; Advanced Power Electronics**

ENMA698P Special Problems in Materials Science and Engineering: Advanced Power Electronics; (3 credits) Grade Method: REG/AUD.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 8) CHE 2116

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Raymond Phaneuf Contact instructor or department for details.	Seats (Total: 5)

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2014

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	Kenneth Kiger	Seats (Total: 65)
	Th 12:30pm - 1:30pm	CHE 2108

ENME272 **Introduction to Computer Aided Design**

ENME272 *(PermReq)* **Introduction to Computer Aided Design; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 414 or ENME272.
Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

0101	Guangming Zhang M 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0201	Guangming Zhang W 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0301	Guangming Zhang F 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0401	Chandrasekhar Thamire Th 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0501	Chandrasekhar Thamire Tu 8:00am - 9:50am	Seats (Total: 42) KEB 2111	

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Instructor: TBA MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0102	Instructor: TBA MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0103	Instructor: TBA MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0104	Instructor: TBA MW 12:00pm - 12:50pm Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 JMP 1109	 Lab

0201	Instructor: TBA MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 KEB 1200	 Lab
0202	Instructor: TBA MW 11:00am - 11:50am Tu 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 ITV 1111	 Lab
0203	Instructor: TBA MW 11:00am - 11:50am W 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 KEB 1200	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Marino diMarzo MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 MTH 0103	 Lab
0102	Marino diMarzo MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1109	 Lab
0103	Marino diMarzo MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1109	 Lab
0104	Marino diMarzo MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1109	 Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS271 and PHYS270. Credit only granted for: ENME252 or ENME350. Formerly: ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Xinan Liu, Jungho Kim MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 50) BRB 1101 EGR 3108	 Lab
0102	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Th 1:00pm - 2:50pm	Seats (Total: 50) BRB 1101 EGR 3108	 Lab
0103	Xinan Liu, Jungho Kim MW 8:00am - 8:50am W 3:20pm - 5:10pm	Seats (Total: 50) BRB 1101 EGR 3108	 Lab
0104	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Tu 3:20pm - 5:10pm	Seats (Total: 50) BRB 1101 EGR 3108	 Lab
0105	Jungho Kim, Xinan Liu MW 8:00am - 8:50am M 3:20pm - 5:10pm	Seats (Total: 40) BRB 1101 EGR 3108	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, ENME350, and PHYS270. Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Instructor: TBA MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab

0102	Instructor: TBA MW 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab
0103	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 115) CSS 2324	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Linda Schmidt MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0102	Linda Schmidt MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

0103	Linda Schmidt MW 11:00am - 11:50am F 8:00am - 9:50am	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0104	Linda Schmidt MW 11:00am - 11:50am Th 7:00pm - 8:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0105	Linda Schmidt MW 11:00am - 11:50am W 6:00pm - 7:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

ENME382 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Isabel Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 120) CHE 2110
0201	Liangbing Hu TuTh 8:00am - 9:15am	Seats (Total: 100) CHE 2110
0301	Ratna Kolli MWF 10:00am - 10:50am	Seats (Total: 120) CSS 2324

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities. Delivered via ITV.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 95) JMP 3201	
0201	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201	

ENME400 **Machine Design**

ENME400 *(PermReq)* **Machine Design; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENME361 and ENME382. Restriction: Permission of ENGR-Mechanical Engineering department.* Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Zelalem Eshete TuTh 3:30pm - 4:20pm Tu 4:30pm - 6:30pm	Seats (Total: 35) EGR 2154 KEB 2111	 Discussion

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leonard Hamilton MW 5:00pm - 6:15pm	Seats (Total: 35) JMP 2202

ENME423 **Modern Climate Control and Building Energy Design/Analysis**

ENME423 *(PermReq)* **Modern Climate Control and Building Energy Design/Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232. Corequisite: ENME332. Restriction: Permission of ENGR-Mechanical Engineering department. Fundamentals and design calculations of heat and moisture transfer in buildings; evaluation of cooling, heating and power requirements of buildings; building energy consumption simulations, use of alternative energy and energy conservation measures in buildings; fundamentals of fans/pumps and air/water distribution in buildings; introduction to refrigeration and energy systems for data centers and other mission-critical facilities. Delivered via ITV.

0101	Michael Ohadi MW 3:30pm - 4:45pm	Seats (Total: 35) ITV 1100

ENME426 **Production Management**

ENME426 *(PermReq)* **Production Management; (3 credits)** Grade Method: REG/P-F/AUD.
Credit only granted for: BMGT385, ENME426, or ENME489J. Formerly: ENME489J.
The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.

0101	Jeffrey Herrmann MW 2:00pm - 3:15pm	Seats (Total: 42) PHY 1402

ENME430 **Fundamentals of Nuclear Reactor Engineering**

ENME430 *(PermReq)* **Fundamentals of Nuclear Reactor Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME430 or ENME489N. Formerly: ENME489N.
Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.

0101	Robert Sanders TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 5) ONLINE

ENME442 **Information Security**

ENME442 *(PermReq)* **Information Security; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must have Senior standing in engineering; and permission of ENGR-Mechanical Engineering department. Also offered as: ENRE684. Credit only granted for: ENRE648J, ENME442, ENRE684, or ENPM808E. The materials presented are divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.

0101	Michel Cukier	Seats (Total: 24)
	TuTh 9:30am - 10:45am	SPH 0307

ENME444 **Assistive Robotics**

ENME444 *(PermReq)* **Assistive Robotics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351. Restriction: Permission of ENGR-Mechanical Engineering department. Fundamentals of assistive robots including: rehabilitative robotics to recover motor function from stroke, robotics for the visually impaired, prosthetics, and social robotics for cognitive impairment. Discussion of the disability and its consequences. Assistive robotic solutions with applications in mechanical design, control, and user interface behind representative robots in the respective area. The course will also introduce (1) special sensors and actuators and (2) brain-computer interfaces used in assistive robotics.

0101	Krishnanand Kaipa Narasimha	Seats (Total: 35)
	MWF 9:00am - 9:50am	ITV 1100

ENME454 **Vehicle Dynamics**

ENME454 *(PermReq)* **Vehicle Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: ENME361. Restriction: Permission of ENGR-Mechanical Engineering department. Formerly: ENME489V. The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Vincent Nguyen MW 3:30pm - 4:45pm	Seats (Total: 60) JMP 3201	

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351 and ENME361. Formerly: ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems. Delivered via ITV.

0101	Jin-Oh Hahn MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion
0102	Jin-Oh Hahn MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion
0103	Jin-Oh Hahn MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion
0201	Monther Hasouneh MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 20) JMP 2121 KEB 2107	 Discussion

ENME466 **Lean Six Sigma**

ENME466 *(PermReq)* **Lean Six Sigma; (3 credits)** Grade Method: REG.
Prerequisite: ENME392, BMGT230, or STAT400; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME466 or ENME489B. Formerly: ENME489B. This course intends to provide in-depth understanding of Lean Six Sigma and its Define - Mearsure - Analyze - Improve - Control (DMAIC) Breakthrough Improvement Strategy. The emphasis is placed on the DMAIC process which is reinforced via application of semester long corporate projects and case study analysis.

0101	David Bigio TuTh 3:30pm - 4:45pm	Seats (Total: 40) EGR 0110	

ENME470 **Finite Element Analysis**

ENME470 *(PermReq)* **Finite Element Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Gary Pertmer, Jelena Srebric, Shapour Azarm, Leonard Hamilton, Monifa Vaughn-Cooke TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0102	Jelena Srebric, Gary Pertmer, Shapour Azarm, Monifa Vaughn-Cooke, Leonard Hamilton TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0103	Instructor: TBA TuTh 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

0104	Gary Pertmer, Monifa Vaughn-Cooke, Shapour Azarm, Leonard Hamilton, Jelena Srebric TuTh 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0106	Jelena Srebric, Shapour Azarm, Leonard Hamilton, Monifa Vaughn-Cooke, Gary Pertmer TuTh 11:00am - 11:50am Tu 2:00pm - 3:50pm	Seats (Total: 25) EGR 1202 EGL 0101	 Lab

ENME473 **Mechanical Design of Electronic Systems**

ENME473 *(PermReq)* **Mechanical Design of Electronic Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations. Delivered via ITV.

0101	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121

ENME481 **Lab-on-a-Chip Microsystems**

ENME481 *(PermReq)* **Lab-on-a-Chip Microsystems; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME481, ENME808E, ENME740. Formerly: ENME489E. Fundamentals and application of lab-on-a-chip and microfluidic technologies. A broad view of the field of microfluidics, knowledge of relevant fabrication methods and analysis techniques, and an understanding of the coupled multi-domain phenomena that dominate the physics in these systems.

0101	Don DeVoe, Eric Kendall MW 5:00pm - 6:15pm	Seats (Total: 20) EGR 3106

ENME483 **Physics of Turbulent Flow**

ENME483 Physics of Turbulent Flow; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENME331. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 483 or ENME 656.* Specific problems of turbulent flow including automobile and truck aerodynamics and canonical flows including pipes, jets and boundary layers that are measured and simulated to gain basic understanding of turbulence. A goal of the course is to impart the necessary background for students to be able to critically assess and most effectively employ the turbulent flow prediction codes (e.g. Fluent) that are a mainstay of how turbulence is analyzed in modern industries.

0101	Peter Bernard MW 11:00am - 12:15pm	Seats (Total: 5) EGR 2116

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489F **Special Topics in Mechanical Engineering; Dynamics of Atmospheric Flight**

ENME489F Special Topics in Mechanical Engineering: Dynamics of Atmospheric Flight; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENME331.

0201	David Findlay MW 3:30pm - 4:45pm	Seats (Total: 10) JMP 2216

ENME489G **Special Topics in Mechanical Engineering; Manufacturing Processes and Design**

ENME489G *(PermReq)* **Special Topics in Mechanical Engineering: Manufacturing Processes and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: Permission of department.

0101	George Dieter	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 0108

ENME489J **Special Topics in Mechanical Engineering; Fatigue Life Prediction**
Contact department for information to register for this course.

ENME489L **Special Topics in Mechanical Engineering; Bio-inspired Robotics**

ENME489L *(PermReq)* **Special Topics in Mechanical Engineering: Bio-inspired Robotics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME350.

0101	Satyandra Gupta	Seats (Total: 35)
	MW 2:00pm - 3:15pm	PHY 1201

ENME489M **Special Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

ENME489M *(PermReq)* **Special Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENME332; and permission of department.

0101	Yunho Hwang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 3102

ENME489N **Special Topics in Mechanical Engineering; Residential and Industrial Energy Audit**

ENME489N *(PermReq)* **Special Topics in Mechanical Engineering: Residential and Industrial Energy Audit; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Shooshtari	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEB 1200

ENME489O **Special Topics in Mechanical Engineering; Micro/Nano Robotics**

ENME489O *(PermReq)* **Special Topics in Mechanical Engineering: Micro/Nano Robotics; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Mechanical Engineering department. Prer equisite: ENME351.

0101	Sarah Bergbreiter	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 2116

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

ENME489V *(PermReq)* **Special Topics in Mechanical Engineering: Mechanical Contracting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Mack, Gary Pertmer	Seats (Total: 30)
	Th 8:00am - 10:40am	PLS 1113

ENME489X **Special Topics in Mechanical Engineering; Energy Conversion Systems for Sustainability**

ENME489X *(PermReq)* **Special Topics in Mechanical Engineering: Energy Conversion Systems for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232.

0101	Ashwani Gupta	Seats (Total: 40)
	Th 4:00pm - 6:40pm	JMP 2121

ENME489Y **Special Topics in Mechanical Engineering; Deformable Bodies**

ENME489Y *(PermReq)* **Special Topics in Mechanical Engineering: Deformable Bodies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME382.

0101	Hugh Bruck	Seats (Total: 40)
	MWF 11:00am - 11:50am	JMP 2202

ENME605 **Advanced Systems Control**

ENME605 Advanced Systems Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME462; or permission of instructor. Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Nikhil Chopra	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	ARM 0131

ENME610 **Engineering Optimization**

ENME610 Engineering Optimization; (3 credits) Grade Method: REG/AUD.
Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project. Also offered as ENRE648F. Credit will be granted for one of the followi following:ENME610 or ENRE648F.

0101	Shapour Azarm	Seats (Total: 25)
	Tu 4:00pm - 6:40pm	EGR 0108

ENME631 **Advanced Conduction and Radiation Heat Transfer**

ENME631 Advanced Conduction and Radiation Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME332; or students who have taken courses with comparable content may contact the department; or permission of instructor. Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang	Seats (Total: 25)
	MW 2:00pm - 3:15pm	EGR 0108

ENME633 **Molecular Thermodynamics**

ENME633 Molecular Thermodynamics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Mechanical Engineering department. An examination of the interactions between molecules, which govern thermodynamics relevant to engineering, will be conducted. We will investigate both classical and statistical approaches to thermodynamics for understanding topics such as phase change, wetting of surfaces, chemical reactions, adsorption, and electrochemical processes. Statistical approaches and molecular simulation tools will be studied to understand how molecular analysis can be translated to macroscopic phenomena.

0101	Bao Yang	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 1102

ENME640 **Fundamentals of Fluid Mechanics**

ENME640 Fundamentals of Fluid Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed partial differential equations at the level of MATH 462; or permission of ENGR-Mechanical Engineering department. Formerly: ENME651. Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	Peter Bernard	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CHE 2136

ENME651 **Seminar on Medical Device Technology and Research**

ENME651 Seminar on Medical Device Technology and Research; (1 credit) Grade Method: REG/AUD.
Presents information on the state of the art in medical device research; presents information on the regulatory issues in developing medical devices; discusses how engineers and scientists can work with doctors to develop new medical devices.

0101	Kevin Cleary	Seats (Total: 10)
	W 7:00pm - 9:00pm	EGR 2116

ENME656 **Physics of Turbulent Flow**

ENME656 Physics of Turbulent Flow; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME640; or students who have taken courses with comparable content may contact the department; or permission of instructor.* Definition of turbulence and its physical manifestations. Statistical methods and the transport equations for turbulence quantities. Laboratory measurement and computer simulation methods. Isotropic turbulence. Physics of turbulent shear flows.

0101	Peter Bernard MW 11:00am - 12:15pm	Seats (Total: 25) EGR 2116

ENME662 **Linear Vibrations**

ENME662 Linear Vibrations; (3 credits) Grade Method: REG/AUD. Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

0101	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 25) JMP 2222
ER01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 5) Location: TBA
HT01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 3) Location: TBA
RE01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 5) Location: TBA
SG01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 1) Location: TBA
SM01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 5) Location: TBA
TV01	Amr Baz TuTh 1:00pm - 2:15pm	Seats (Total: 5) Location: TBA

ENME670 **Continuum Mechanics**

ENME670 Continuum Mechanics; (3 credits) Grade Method: REG/AUD.
Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.

0101	Teng Li MW 12:30pm - 1:45pm	Seats (Total: 35) HBK 0115

ENME675 **A Mathematical Introduction to Robotics**

ENME675 A Mathematical Introduction to Robotics; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENME675 or ENME808V. Formerly: ENME808V. Designed to provide graduate students with some of the concepts in robotics from a mathematical viewpoint, including introduction to group theory and basics of SO(3) and SE(3) group applied to robotics; rigid body motion; manipulator kinematics; introduction to holonomic & non-holonomic constraints; dynamics of robot manipulators.

0101	Jaydev Desai MW 11:00am - 12:15pm	Seats (Total: 20) EGR 3102

ENME690 **Mechanical Fundamentals of Electronic Systems**

ENME690 Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.
An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Patrick McCluskey MW 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121

ER01	Patrick McCluskey Contact instructor or department for details.	Seats (Total: 10)
RE01	Patrick McCluskey Contact instructor or department for details.	Seats (Total: 10)

ENME737 **Prognostics and Health Management**

ENME737 Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENME737 or ENME808A. Formerly: ENME808A. Prognostics and health management (PHM) is an enabling discipline consisting of technologies and

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 15) JMP 2217
ER01	Instructor: TBA Class time/details on ELMs	Seats (Total: 15) ONLINE
HT01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
RE01	Instructor: TBA Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENME740 **Lab-on-a-Chip Microsystems**

ENME740 Lab-on-a-Chip Microsystems; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENME 481, ENME 808E, ENME 740. Formerly: ENME 808E. Fundamentals and application of lab-on-a-chip and microfluidic technologies. A broad view of the field of microfluidics, knowledge of relevant fabrication methods and analysis techniques, and an understanding of the coupled multi-domain phenomena that dominate the physics in these systems.

0101	Eric Kendall, Don DeVoe MW 5:00pm - 6:15pm	Seats (Total: 10) EGR 3106

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME808A **Advanced Topics in Mechanical Engineering; Advanced Power Mechanics**

ENME808A Advanced Topics in Mechanical Engineering: Advanced Power Mechanics; (3 credits) Grade Method: REG/AUD.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 8) CHE 2116

ENME808N **Advanced Topics in Mechanical Engineering; Nanomechanics I**

ENME808N Advanced Topics in Mechanical Engineering: Nanomechanics I; (3 credits) Grade Method: REG/AUD.

0101	Abhijit Dasgupta MW 11:00am - 12:15pm	Seats (Total: 25) PLS 1111

ENME808O **Advanced Topics in Mechanical Engineering; MICRO/NANO ROBOTICS**

ENME808O Advanced Topics in Mechanical Engineering: MICRO/NANO ROBOTICS; (3 credits) Grade Method: REG/AUD.

0101	Sarah Bergbreiter TuTh 9:30am - 10:45am	Seats (Total: 10) EGR 2116

ENME808P **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

ENME808P Advanced Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits) Grade Method: REG/AUD.

0101	Yunho Hwang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 3102

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Fall 2014

ENNU648F **Special Problems in Nuclear Engineering; Nuclear Systems and Severe Accidents**

ENNU648F Special Problems in Nuclear Engineering: Nuclear Systems and Severe Accidents; (3 credits) Grade Method: REG/AUD.

NE01	Mahmoud Massoud	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENNU655 **Radiation Engineering**

ENNU655 Radiation Engineering; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor; and permission of ENGR-Materials Science & Engineering department.* An analysis of such radiation applications as synthesizing chemicals, preserving foods, control of industrial processes, design of irradiation installations. E.G., Cobalt 60 gamma ray sources, electronuclear machine arrangement, and chemonuclear reactors.

NE01	Mohamad Al-Sheikhly	Seats (Total: 12)
	Class time/details on ELMs	ONLINE

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Fall 2014

ENPM600 **Probability and Stochastic Processes for Engineers**

ENPM600 Probability and Stochastic Processes for Engineers; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate introduction to discrete and continuous probability.
Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM610 **Digital VLSI Design**

ENPM610 Digital VLSI Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed undergraduate courses in solid state devices and digital/analog circuit design. VLSI design with emphasis on CMOS technology. Logic functions using CMOS switches; MOSFET characteristics; BiCMOS, dynamic logic and domino logic structures; PLA's, FPLA's, and gate arrays; layout via MAGIC, use of VHDL, IRSIM, and Spice; design rules and verification techniques; packaging techniques; chip design options: standard cells, sea-of-gates, full custom; design capture and verification tools; design of CMOS datapaths, memory, and control; possible fabrication via MOSIS.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM611 **Software Engineering**

ENPM611 Software Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: Competency in one programming language. Credit only granted for: ENPM611 or ENPM808G. Formerly: ENPM808G. Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
HT01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM613 **Software Design & Implementation**

ENPM613 Software Design & Implementation; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed an undergraduate software course; and must have knowledge of C or C++ Programming. Credit only granted for: ENPM608 or ENPM613. Formerly: ENPM608. Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.

0101	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217

HT01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM615 **Embedded Systems**

ENPM615 Embedded Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed undergraduate courses in logic design, computer architecture, and programming. Credit only granted for: ENPM 808C or ENPM 615. Formerly: ENPM 808C. Introduction to embedded systems design and evaluation: requirements, specification, architecture, hardware and software components, integration and performance evaluation. Topics include instruction sets, CPU, embedded computing platform, program design and analysis, operating systems, hardware accelators, multiprocessors, networks, and system analysis. Real-life embedded systems design examples will be used throughput the course to illustrate these concepts.

0101	Gang Qu M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Gang Qu M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Gang Qu M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Gang Qu M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM616 **Wireless Communications: Concepts and Technologies**

ENPM616 Wireless Communications: Concepts and Technologies; (3 credits) Grade Method: REG/AUD.

Credit only granted for: ENPM 616 or ENPM 808T. Formerly: ENPM 808T. Advanced topics in wireless communications for voice, data, and multimedia. Overview of current wireless systems and standards followed by characterizing the wireless channel, including path loss for different environments, random log-normal shadowing due to signal attenuation, and the flat and frequency-selective properties of multipath fading. Fundamental capacity limits of wireless channels and the characteristics of the capacity-achieving transmission strategies. Overview of wireless networks, including multiple and random access techniques, WLANs, cellular system design, and ad-hoc network design. Applications for these systems, including the evolution of cell phones and PDAs, smart homes and appliances, sensor networks, and automated highways and skyways.

0101	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM620 **Computer Aided Engineering Analysis**

ENPM620 *(PermReq)* **Computer Aided Engineering Analysis; (3 credits)** Grade Method: REG/AUD.

Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics. A laptop or Tablet PC is required for in-class use.

0101	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120

HT01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Gilad Sharon Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM622 **Energy Conversion I - Stationary Power**

ENPM622 Energy Conversion I - Stationary Power; (3 credits) Grade Method: REG/AUD.

Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.

0101	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2120
HT01	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Leonard Hamilton Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM624 **Renewable Energy Applications**

ENPM624 *(PermReq)* **Renewable Energy Applications; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education.
Thermodynamics and heat transfer of renewable energy sources for heating, power generation and transportation. Wind energy, solar thermal, photovoltaic, biomass, waste burning, and hydropower. Broad overview of the growing use of renewable energy sources in the world economy with detailed analysis of specific applications.

0101	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Zachary Dunbar Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM627 **Environmental Risk Analysis**

ENPM627 Environmental Risk Analysis; (3 credits) Grade Method: REG/AUD.
The fundamental methodology for analyzing environmental risk is described with examples for selected applications. Key elements of the environmental risk methodology include: (1) source term and release characterization, (2) migration of contaminants in various media, (3) exposure assessment, (4) dose-response evaluation, (5) risk characterization, and (6) risk management. Also included will be an introduction to uncertainty analysis and environmental laws and regulations. It is intended to provide students with the basic skills and knowledge needed to manage, evaluate, or perform environmental risk assessments and risk analyses.

ME01	Norman Eisenberg Class time/details on ELMs	Seats (Total: 40) ONLINE

ENPM631 **TCP/IP Networking**

ENPM631 TCP/IP Networking; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM602; or permission of instructor. Credit only granted for: ENPM808F or ENPM631. Formerly: ENPM808F. Describe how IP datagram travels through the internet and are routed from the source to the destination. Introduce the two transport protocols: UDP and TCP, the proper context to use each one, and related parameters and issues. Cover some other protocols, closely related to the TCP/IP that are responsible for the seamless operation of the Internet.

0101	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM641 **Systems Concepts, Issues, and Processes**

ENPM641 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE621. Credit only granted for: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SySML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SySML. Students will complete a project for the front-end development of an engineering system using ULM/SySML.

0101	Kent de Jong M 7:00pm - 9:40pm	Seats (Total: 41) JMP 2222

HT01	Kent de Jong M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Kent de Jong M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Kent de Jong M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM643 **Systems Projects, Validation and Verification**

ENPM643 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: ENSE622 or ENPM642; and permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE623. Credit only granted for: ENPM642 or ENSE623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 30) JMP 2222
HT01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE626. Credit only granted for: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM651 **Heat Transfer for Modern Application**

ENPM651 Heat Transfer for Modern Application; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENPM651 or ENPM808P. Formerly: ENPM808P. The applications selected will vary widely: from cooling of electronics to prevention of fog and stalagmite formation in ice rinks. Multi-mode (i.e. simultaneous conduction, convection, radiation, mass transfer) problems will be emphasized. Lectures on basic principles, followed by assignments in which students formulate solutions and explain results.

0101	Yunho Hwang W 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Yunho Hwang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ME01	Yunho Hwang Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Yunho Hwang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Yunho Hwang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM663 **Introduction to Kinetics of Reactions in Materials**

ENPM663 Introduction to Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA461. The thermodynamics of solid solutions, free energy and phase diagrams, thermodynamics of interfaces, concepts of kinetics are introduced. Diffusion in solids, nucleation kinetics and kinetics of composition invariant solid-solid interface migration are reviewed. The growth of phases and cellular segregation are also introduced. Also offered as ENMA 471.

0101	Raymond Phaneuf MW 2:00pm - 3:15pm	Seats (Total: 45) ITV 1111

ENPM672 **Fundamentals for Thermal Systems**

ENPM672 Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate engineering, physics or chemistry degree. Restriction: Permission of ENGR-Office of Advanced Engineering Education. Credit only granted for: ENPM672 or ENPM808J. Formerly: ENPM808J. Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

ME01	Kristen Hines Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM681 **Shockwave Physics I**

ENPM681 Shockwave Physics I; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENPM681 or ENPM8008V. Formerly: ENPM808V. Covers the history of Shock Wave Physics becoming a scientific discipline, conservation equations for one-dimensional plane steady shocks, Eulerian coordinate system, wave stability conditions, impedance matching technique for design and analysis of experiments, select group of experimental techniques, experimental error analysis, thermodynamics of shock waves including use of consistent equations of state, derivation of plane one dimensional differential conservation laws, and uniqueness of steady wave profiles.

PE01	Jerry Forbes, William Wilson Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM691 **Programming in C for Cybersecurity Applications**

ENPM691 *(PermReq)* **Programming in C for Cybersecurity Applications; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE150; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENPM808M or ENPM 691. Formerly: ENPM808M. Teaches the fundamentals of secure programming in C. An in depth discussion on various security vulnerabilities (e.g., buffer overflows) in C applications will be taught with hands-on demo of concepts during the class. Students will learn how a C program runs "under-the-hood". The course will teach nitty-gritty of C programs by analyzing at the assembly level. The course discusses best practices (e.g., coding standards) and design principles for secure programming so that security can be built-in during design time. In addition to assignments, students are required to present papers related to this course.

0101	Dharmalingam Ganesan Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
HT01	Dharmalingam Ganesan Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Dharmalingam Ganesan Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Dharmalingam Ganesan Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM693 **Network Security**

ENPM693 Network Security; (3 credits) Grade Method: REG/AUD.
Prerequisite: An operating systems and/or network protocol course or equivalent. Formerly: ENPM808N. Introduction to various approaches to design; specify and verify security protocols used in large systems and networks; familiarization with some current technologies. Security threats and countermeasures, communication security and basic encryption techniques, authentication protocols, data confidentiality and integrity, analysis of cryptographic protocols, and access control in large systems and networks.

0101	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808A **Advanced Topics in Engineering; Networks and Protocols**

ENPM808A Advanced Topics in Engineering: Networks and Protocols; (3 credits) Grade Method: REG/AUD.

0101	Sohraab Soltani M 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201

HT01	Sohraab Soltani M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Sohraab Soltani M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Sohraab Soltani M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808G **Advanced Topics in Engineering; Fundamentals of Solid-Propellant Combustion**

ENPM808G Advanced Topics in Engineering: Fundamentals of Solid-Propellant Combustion; (3 credits) Grade Method: REG/AUD.

PE01	Instructor: TBA Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM808M **Advanced Topics in Engineering; Introduction to Robot Modeling**

ENPM808M Advanced Topics in Engineering: Introduction to Robot Modeling; (3 credits) Grade Method: REG/AUD.

0101	William Levine W 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
HT01	William Levine W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	William Levine W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	William Levine W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM808Q **Advanced Topics in Engineering; Control of Robotic Systems**

ENPM808Q Advanced Topics in Engineering: Control of Robotic Systems; (3 credits) Grade Method: REG/AUD.

0101	Nuno Martins M 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
HT01	Nuno Martins M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	Nuno Martins M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Nuno Martins M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPP Engineering and Public Policy Fall 2014

ENPP611 **MEPP Scholarly Practicum**

ENPP611 MEPP Scholarly Practicum; (3 credits) Grade Method: REG/AUD. *Restriction: Must have Practicum Proposal approved by MEPP.* The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	William Powers Contact instructor or department for details.	Seats (Total: 8)

ENRE Reliability Engineering Fall 2014

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Fundamentals of Failure Mechanisms**

ENRE600 Fundamentals of Failure Mechanisms; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENMA698M, ENNU648M, or ENRE600. Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Anaylsis. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Instructor: TBA M 1:00pm - 3:40pm	Seats (Total: 20) JMP 2217
ER01	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 4)
SM01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ENRE602 **Reliability Analysis**

ENRE602 Reliability Analysis; (3 credits) Grade Method: REG/AUD.
Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Enrique Droguett, Anahita Imanian Th 3:00pm - 5:40pm	Seats (Total: 20) JMP 2222

ER01	Enrique Droguett Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
RE01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 10) Location: TBA
SG01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
SM01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA

ENRE641 **Probabilistic Physics of Failure and Accelerated Testing**

ENRE641 Probabilistic Physics of Failure and Accelerated Testing; (3 credits)
Grade Method: REG/AUD.
Credit only granted for: ENRE641 or ENRE650. Formerly: ENRE650. Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.

0101	Mohammad Modarres Th 11:00am - 1:40pm	Seats (Total: 25) JMP 2217
ER01	Mohammad Modarres TuTh 11:00am - 1:40pm	Seats (Total: 15) Location: TBA
HT01	Mohammad Modarres TuTh 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Mohammad Modarres TuTh 11:00am - 1:40pm	Seats (Total: 15) Location: TBA
SG01	Mohammad Modarres TuTh 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

SM01	Mohammad Modarres TuTh 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648J **Special Problems in Reliability Engineering; Prognostics and Health Management**

ENRE648J Special Problems in Reliability Engineering: Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 15) JMP 2217
ER01	Instructor: TBA Class time/details on ELMs	Seats (Total: 15) ONLINE
HT01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
RE01	Instructor: TBA Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENRE655 **Advanced Methods in Reliability Modeling**
Contact department for information to register for this course.

ENRE661 **Microelectronics Device Reliability**

ENRE661 Microelectronics Device Reliability; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE600. Credit only granted for: ENRE661 or ENRE648Q. Formerly: ENRE648Q. An approach to continuous improvement of reliability of semiconductor devices is developed. Topics covered include: an introduction to device technology, degradation mechanisms, optoelectronic components, power device reliability and accelerated testing.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 6) HBK 0105

ENRE670 **Probabilistic Risk Assessment**

ENRE670 Probabilistic Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE602. Also offered as: ENNU651. Credit only granted for: ENNU651 or ENRE670. Why study risk, sources of risk, overview of Risk Assessment and Risk Management, relation to System Safety and Reliability Engineering; measures, representation, communication, and perception of risk; overview of use of risk assessment results in decision making; overview of Probabilistic Risk Assessment (PRA) process; detailed converge of PRA methods including (1) methods for risk scenario development such as identification of initiators, event sequence diagrams, event trees, causal modeling (fault trees, influence diagrams, and hybrid methods), and simulation approaches; (2) methods of risk scenario likelihood assessment, including quantitative and qualitative approaches, as well as uncertainty modeling and analysis. Also covers methods for risk modeling of system hardware behavior, physical phenomena, human behavior, software behavior, organizational environment, and external physical environment. Additional core topics include risk model integration and quantification (Boolean-based, binary decsion diagram, Bayesian belief networks, and hybrid methods), simulation-based Dynamic PRA methods (discrete and continuous) and several examples of large scale PRAs for space missions, nuclear power, aviation and medical systems.

ER01	Clayton Smith W 9:00am - 11:40am	Seats (Total: 15) ONLINE
RE01	Clayton Smith W 9:00am - 11:40am	Seats (Total: 15) ONLINE

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2014

ENSE621 **Systems Concepts, Issues, and Processes**

ENSE621 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM641. Credit only granted for: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SySML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SySML. Students will complete a project for the front-end development of an engineering system using ULM/SySML.

0101	Kent de Jong	Seats (Total: 41)
	M 7:00pm - 9:40pm	JMP 2222

ENSE623 **Systems Projects, Validation and Verification**

ENSE623 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENSE622 and ENPM642; and permission of ENGR-Institute for Systems Research. Also offered as: ENPM643. Credit only granted for: ENPM643, ENSE610, or ENSE623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	JMP 2222

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean	Seats (Total: 25)
	W 7:00pm - 9:40pm	JMP 2222

ENSE698E **Special Topics in Systems Engineering; Sensor Systems**

ENSE698E Special Topics in Systems Engineering: Sensor Systems; (3 credits)
Grade Method: REG/AUD.
Also offered as ENCE688D.

0101	David Lovell, Pamela Abshire TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3102

ENSE698J **Special Topics in Systems Engineering; Federal Acquisition: Concept and Management**

ENSE698J Special Topics in Systems Engineering: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758A and PUAF689A.

0101	William Lucyshyn W 4:00pm - 6:40pm	Seats (Total: 22) JMP 2222
CA01	William Lucyshyn W 4:00pm - 6:40pm	Seats (Total: 10) Location: TBA

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Fall 2014

ENSP101 **Introduction to Environmental Science**

ENSP101 Introduction to Environmental Science; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 SYM 0209	Discussion
0102	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 PLS 1146	Discussion
0103	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 SYM 0215	Discussion
0104	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 PLS 1119	Discussion
0105	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 EGR 1102	Discussion
0106	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 WDS 1130	Discussion
0107	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 ITV 1111	Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP101; and ENSP102. Restriction: Junior standing or higher. Credit only granted for: ENSP330 or ENSP399A. Formerly: ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger	Seats (Total: 35)
	TuTh 9:30am - 10:45am	PLS 1119

ENSP350 **Energy Resources: Science and Policy in the 21st Century**

ENSP350 *(PermReq)* **Energy Resources: Science and Policy in the 21st Century; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENSP101 and ENSP102. Restriction: Must have earned a minimum of 60 credits; and permission of AGNR-Dean-Environmental Science & Policy Program. Energy resource production and consumption, including historical context, current trends in the U.S. and globally, and social and environmental implications. Includes fuel-source formation, history of use, modern trends in consumption, production, pricing and trade, reserves and resources, environmental and social impacts, future outlook and potential new technologies related to energy efficiency and conservation.

0101	Gregory Schnaar	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	MMH 0108

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

ENSP399 *(PermReq)* **Special Topics in Environmental Science and Policy; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or permission of the Director of ENSP. And must be in Environmental Science and Policy program. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Joanna Goger, Rachel Lamb	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	BPS 1236

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology — Fall 2014

ENST100 **International Crop Production-Issues and Challenges in the 21st Century**

ENST100 International Crop Production-Issues and Challenges in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. *Credit only granted for: ENST100 or NRSC100. Formerly: NRSC100.* Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.

0101	Prabahkar Tamboli MWF 12:00pm - 12:50pm	Seats (Total: 38) ANS 0422	

ENST200 **Fundamentals of Soil Science**

ENST200 Fundamentals of Soil Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: CHEM131 and CHEM132; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST200 or NRSC200. Formerly: NRSC200. Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

0101	Raymond Weil TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab
0102	Raymond Weil TuTh 3:30pm - 4:45pm W 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab
0103	Raymond Weil TuTh 3:30pm - 4:45pm Th 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab
0104	Raymond Weil TuTh 3:30pm - 4:45pm Tu 9:30am - 12:20pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab
0105	Raymond Weil TuTh 3:30pm - 4:45pm W 9:00am - 11:50am	Seats (Total: 22) HJP 0226 HJP 0210	 Lab
0106	Raymond Weil TuTh 3:30pm - 4:45pm Th 9:30am - 12:20pm	Seats (Total: 22) HJP 0226 HJP 0210	 Lab

ENST214 **Introduction to Fish and Wildlife Sciences**

ENST214 Introduction to Fish and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: 1 course in BSCI; or permission of instructor. Lectures, discussion, and readings in social, biological, and human dimension issues facing fisheries and wildlife biologists and natural resource managers in the United States. Coverage will include history and philosophical discussions of fish and wildlife sciences; conservation and management; principles of community, habitat, and animal ecology and management; and interrelations of wildlife, fish, and forestry.

0101	Reginal Harrell TuTh 12:30pm - 1:45pm	Seats (Total: 36) ANS 0412	

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 42) ANS 0408 ANS 0422	 Discussion
0102	Lance Yonkos TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 42) ANS 0408 ANS 0422	 Discussion

ENST281 **Computer Aided Design in Ecology**

ENST281 Computer Aided Design in Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Environmental Sci & Tech program. Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Introduction to dynamic ecosystem modeling with iconographic simulation software. Course will spend 6 weeks on CAD and 8 weeks on modeling. Use of campus stormwater wetland as case study.

0101	David Tilley, Jose-Luis Izursa M 10:00am - 10:50am M 11:00am - 3:00pm	Seats (Total: 20) ANS 0422 ANS 0509	 Lab
0102	David Tilley, Jose-Luis Izursa M 10:00am - 10:50am M 4:00pm - 8:00pm	Seats (Total: 22) ANS 0422 ANS 0509	 Lab

ENST301 **Field Soil Morphology I**

ENST301 *(PermReq)* **Field Soil Morphology I; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308. This is a field-oriented course that introduces students to the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Brian Needelman Contact instructor or department for details.	Seats (Total: 7)

ENST302 **Field Soil Morphology II**

ENST302 *(PermReq)* **Field Soil Morphology II; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST301. Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308. This is the second field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Brian Needelman	Seats (Total: 7)
	Contact instructor or department for details.	

ENST303 **Field Soil Morphology III**

ENST303 *(PermReq)* **Field Soil Morphology III; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST302. Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308. This is the third field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Brian Needelman	Seats (Total: 15)
	Contact instructor or department for details.	

ENST333 **Ecosystem Health and Protection**

ENST333 Ecosystem Health and Protection; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST233. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech). Credit only granted for: ENST499A or ENST333. Formerly: ENST499A. Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on an ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Daniel Fisher	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST360 **Ecosystem Ecology**

ENST360 Ecosystem Ecology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech).* The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed. The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

0101	Peter May	Seats (Total: 20)	
	M 2:00pm - 2:50pm	ANS 0422	
	W 12:00pm - 3:50pm	ANS 0538	Lab
	M 3:00pm - 3:50pm	ANS 0422	Discussion
0102	Peter May	Seats (Total: 20)	
	M 2:00pm - 2:50pm	ANS 0422	
	W 8:00am - 12:00pm	ANS 0538	Lab
	M 3:00pm - 3:50pm	ANS 0422	Discussion

ENST373 **Natural History of the Chesapeake Bay**

ENST373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: BSCI373. Credit only granted for: BSCI373, ENST373, or ENST499G. Formerly: ENST499G. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas MWF 3:00pm - 3:50pm	Seats (Total: 80) ANS 0408	

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas Contact instructor or department for details.	Seats (Total: 50)	

ENST407 **Environmental Plant Physiology**

ENST407 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Also offered as: PLSC400. Credit only granted for: PLSC 400 or ENST 407. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses. Also offered PLSC400. Credit granted for PLSC400 or ENST407.

0101	Wendy Peer, Jianhua Zhu TuTh 12:30pm - 1:45pm M 5:00pm - 8:00pm	Seats (Total: 6) HBK 1112 PLS 1153	 Lab
0102	Wendy Peer, Jianhua Zhu TuTh 12:30pm - 1:45pm Tu 5:30pm - 8:30pm	Seats (Total: 7) HBK 1112 PLS 1153	 Lab

ENST410 **Ecosystem Services: An Integrated Analysis**

ENST410 Ecosystem Services: An Integrated Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI361; or permission of instructor. The importance of our ecosystems and the services they provide will be discussed. Basic principles used to analyze ecosystem services will be discussed and applied using case studies & field exercises. Forestland, wetlands and our marine resources are increasingly recognized for their ecosystem services provided to society, to include clean air and water, wildlife habitat, biodiversity, carbon storage and pollination services. This course will prepare students to deal with the complex issues involved in understanding those and other ecosystem services and their importance to society and environmental sustainability. Slowly, new markets are emerging for these services. Students will analyze the ecological, policy and financial dimensions of enhancing, restoring, and sustaining ecosystem services. New and on-going government programs and private business ventures will be discussed.

0101	Robert Tjaden TuTh 12:30pm - 1:45pm	Seats (Total: 39) ANS 0422

ENST411 **Principles of Soil Fertility**

ENST411 Principles of Soil Fertility; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST611. Credit only granted for: ENST411 or NRSC411. Formerly: NRSC411. Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil TuTh 12:30pm - 1:45pm	Seats (Total: 15) ANS 1422

ENST414 **Soil Morphology, Genesis and Classification**

ENST414 Soil Morphology, Genesis and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200. Credit only granted for: ENST414 or NRSC414. Formerly: NRSC414. Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MWF 10:00am - 10:50am	PLS 1158	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST415 **Renewable Energy**

ENST415 Renewable Energy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131, PHYS121, and MATH113; or permission of AGNR-Environmental Science & Technology department. Restriction: Must be in a major within AGNR-Environmental Science & Technology department. An overview of renewable energy technologies and their current applications. Emphasis will be placed on technological readiness, efficiency and sustainability of renewable energy alternatives. Technologies include solar thermal, photovoltaics, biodiesel, ethanol, anaerobic digestion, wind, hydroelectric, and microbial fuel cells.

0101	Stephanie Lansing	Seats (Total: 40)
	MWF 11:00am - 11:50am	ANS 0422

ENST417 **Soil Hydrology and Physics**

ENST417 Soil Hydrology and Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200; and (MATH113 or MATH115). Or permission of instructor. Credit only granted for: ENST417 or NRSC417. Formerly: NRSC417. A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HBK 0115

ENST422 **Soil Microbial Ecology**

ENST422 Soil Microbial Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200; or 1 course in BCHM; or must have completed a course in microbiology; or students who have taken courses with comparable content may contact the department. Also offered as: ENST622. Credit only granted for: ENST422 or NRSC422. Formerly: NRSC422.* The interdisciplinary study of soil microorganisms and their interactions with the mineral matrix; resulting in processes such as nutrient cycling, decontamination, and natural product production. We will focus on the diversity of soil communities, their survival strategies, and the new strategies used to study these communities.

0101	Stephanie Yarwood TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 0115

ENST434 **Toxic Contaminants: Sources, Fate, and Effects**

ENST434 Toxic Contaminants: Sources, Fate, and Effects; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 and ENST334. Study of the release to the environment, transport through natural compartments, persistence and ultimate fate of various classes of contaminants produced as a result of human activities. Topics will culminate in discussions of impacts to wildlife and human health. Students should emerge with a practical appreciation of the actual risks from exposure to a variety of environmental contaminants and an understanding of the environmental and human health implications of continuing the contaminating activities.

0101	Lance Yonkos M 4:00pm - 6:45pm	Seats (Total: 25) ANS 0422

ENST441 **Sustainable Agriculture**

ENST441 Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: ENST441 or NRSC441. Formerly: NRSC441.* Environmental, social and economic needs for alternatives to the conventional, high-input farming systems which currently predominate in industrial countries. Strategies and practices that minimize the use of non-renewable resources. There will be two required all-day field trips on two Saturdays in late September and early October (9/20,9/27 or 10/4,10/11)

0101	Raymond Weil	Seats (Total: 35)
	TuTh 9:30am - 10:45am	ANS 0422

ENST450 **Wetland Ecology**

ENST450 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301; or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST650, MEES650. Credit only granted for: ENST450, NRMT450, or MEES650. Formerly: NRMT450. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology. Course requires two Saturday field trips.

0101	Andrew Baldwin	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	ANS 0422

ENST460 **Principles of Wildlife Management**

ENST460 Principles of Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed two semesters of biology laboratory; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST460 or NRMT460. Formerly: NRMT460. Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

0101	Jennifer Murrow	Seats (Total: 43)
	TuTh 11:00am - 12:15pm	HBK 0109

ENST461 **Urban Wildlife Management**

ENST461 Urban Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENST461 or NRMT461. Formerly: NRMT461. Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations. One Saturday field trip is scheduled.

0101	Jennifer Murrow	Seats (Total: 43)
	TuTh 9:30am - 10:45am	ANS 0412

ENST471 **Capstone I**

ENST471 *(PermReq)* **Capstone I; (2 credits)** Grade Method: REG/P-F/AUD.
This course will be conducted in a group discussion format that will focus on professional project proposal preparation and presentation, critical evaluation of environmental science research, professional development, and career planning. Students will develop and present original project proposals and critique project proposals presented by others.

0101	Wendy Peer	Seats (Total: 75)
	M 12:00pm - 1:50pm	ANS 0408

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST489B **Field Experience; Independent Wildlife Project: A Study of Box Turtle Movement**

ENST489B Field Experience: Independent Wildlife Project: A Study of Box Turtle Movement; (2-3 credits) Grade Method: REG/P-F/AUD.
This project will access 3 years' worth of GPS and telemetry points for for several box turtles in Washington, DC. This class/project would evaluate movements, home ranges, and displacement of turtles. Students must have had a basic GIS class and preferably have taken ENST 463 or ENST 464. Please send emails of interest to Dr. Murrow (wildlife@umd.edu). Permission must be granted prior to registering.

0101	Jennifer Murrow	Seats (Total: 20)
	Contact instructor or department for details.	

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST602 **Research Principles and Methodology in Environmental Scienceand Technolgy**

ENST602 *(PermReq)* **Research Principles and Methodology in Environmental Scienceand Technolgy; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Environmental Sci & Tech program. Fundamental research strategies and methods of investigation in Environmental Science and Technology including field and laboratory procedures.

0101	Reginal Harrell	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	ANS 1420

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST611 **Advanced Principles of Soil Fertility**

ENST611 Advanced Principles of Soil Fertility; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST411. Credit only granted for: ENST411, NRSC411, or ENST611. Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ANS 1422

ENST622 **Advanced Soil Microbial Ecology**

ENST622 Advanced Soil Microbial Ecology; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST200; or 1 course in BCHM; or must have completed one course in microbiology; or students who have taken courses with comparable content may contact the department. Also offered as: ENST422. Credit only granted for: ENST422 or ENST622.* The interdisciplinary study of soil microorganisms and their interactions with the mineral matrix; resulting in processes such as nutrient cycling, decontamination, and natural product production. We will focus on the diversity of soil communities, their survival strategies, and the new strategies used to study these communities.The course will include an examination of current literature in this field.

0101	Stephanie Yarwood	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	HBK 0115	
	Th 8:30am - 9:20am	HBK 0115	Discussion

ENST689C **Special Topics; Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas**

ENST689C Special Topics: Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas; (3 credits) Grade Method: REG/AUD.
Also offered as MEES698D. Credit wil be granted for ENST689C or MEES 698D. Estuaries and deltas comprise some of the most important coasts in the world. There will be an examination of the physical,biogeochemical and ecological aspects of these systems, including circulation types, sedimentation, geochemical transformations and bioprocessing, ecosystems , and human impacts.

0101	Michael Kearney	Seats (Total: 20)	
	MW 8:30am - 9:45am	ANS 0422	

ENST689E **Special Topics; Advanced Ecosystem Health and Natural Resource Management**

ENST689E *(PermReq)* **Special Topics: Advanced Ecosystem Health and Natural Resource Management; (3 credits)** Grade Method: REG/AUD.
Restricted to student in the ENST graduate program.

0101	William Bowerman, Reginal Harrell, Lance Yonkos, Paul Leisnham Tu 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 15) ANS 1420

ENST689J **Special Topics; Valuing Ecosystem Services**

ENST689J Special Topics: Valuing Ecosystem Services; (3 credits) Grade Method: REG/AUD.

0101	Robert Tjaden TuTh 12:30pm - 1:45pm	Seats (Total: 6) ANS 0422

ENST689R **Special Topics; Invasive Ecology**

ENST689R Special Topics: Invasive Ecology; (1-3 credits) Grade Method: REG/AUD.

Two Saturday field trips are scheduled. Prerequisite: One semsester of biology or permission of department. We will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Field trips and detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems.

0101	Paul Leisnham MW 10:00am - 11:15am	Seats (Total: 10) ANS 1420

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil Contact instructor or department for details.	Seats (Total: 1)

ENST722 **Advanced Soil Chemistry**

ENST722 *(PermReq)* **Advanced Soil Chemistry; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor; and permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST722 or NRSC722. Formerly: NRSC722. A continuation of AGRO 421 with emphasis on soil chemistry of minor elements necessary for plant growth.

0101	Bruce James	Seats (Total: 25)
	MWF 9:00am - 9:50am	HBK 1108

ENST789 **Advances in Research**
Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Stephanie Yarwood, Martin Rabenhorst	Seats (Total: 30)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Fall 2014

ENTM609 **Integrated Pest Management**

ENTM609 Integrated Pest Management; (1-4 credits) Grade Method: REG.

0101	Cerruti Hooks	Seats (Total: 16)
	Contact instructor or department for details.	

ENTM699K **Advanced Entomology; Biological Sciences Teaching and Learning in Higher Education**

ENTM699K *(PermReq)* **Advanced Entomology: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD.
Also offered as BIOL608K, CBMG699K, and CHEM608K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

ENTM701 **Effective Teaching: TA Training**

ENTM701 *(PermReq)* **Effective Teaching: TA Training; (1 credit)** Grade Method: REG.
A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.

0101	Bretton Kent	Seats (Total: 20)
	Tu 6:00pm - 8:00pm	BPS 1208

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	David Hawthorne	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM798V **Topic Seminar; Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology**

ENTM798V Topic Seminar: Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 21)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Fall 2014

ENTS622 **Introduction to Digital Communication Systems**

ENTS622 Introduction to Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program; or permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENTS622 or ENTS689B. Formerly: ENTS689B. Principles of analog and digital communication systems design. Analysis of the performance and relative merits of different modulation and demodulation, signal processing, filtering and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems.

0101	Alejandra Mercado M 5:30pm - 8:15pm Th 5:30pm - 6:20pm	Seats (Total: 24) SPH 1301 EGR 0135	 Lab
0102	Alejandra Mercado M 5:30pm - 8:15pm Th 11:00am - 11:50am	Seats (Total: 24) SPH 1301 AVW 1458	 Lab
0201	Alejandra Mercado M 9:00am - 11:45am Th 9:00am - 9:50am	Seats (Total: 24) SPH 1302 AVW 1458	 Lab
0202	Alejandra Mercado M 9:00am - 11:45am Th 10:00am - 10:50am	Seats (Total: 24) SPH 1302 AVW 1458	 Lab

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler Th 5:30pm - 8:15pm	Seats (Total: 40) LEF 2166
0201	David Kressler Th 2:00pm - 4:45pm	Seats (Total: 40) SQH 2117

ENTS629A **Special Topics in Cybersecurity; System Security**

ENTS629A Special Topicsl in Cybersecurity: System Security; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Siddique Kabir W 5:30pm - 8:15pm	Seats (Total: 30) EGR 0135

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Jahangir Boroumand Tu 5:30pm - 8:15pm	Seats (Total: 40) SQH 2117
0201	Jahangir Boroumand Tu 2:00pm - 4:45pm	Seats (Total: 40) SQH 2117

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Ronald Hill W 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121
0201	Ronald Hill W 2:00pm - 4:45pm	Seats (Total: 40) TYD 1101

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Kazim Ruhi M 5:30pm - 8:15pm	Seats (Total: 40) SQH 1117
0201	Kazim Ruhi M 2:00pm - 4:45pm	Seats (Total: 40) SQH 1105

ENTS640 **Networks and Protocols I**

ENTS640 Networks and Protocols I; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in Telecommunications (Master's) program.* An overview of design issues and the important industry standards for digital communications networks. This includes protocols, data communications technologies, error correction and detection, congestion control, traffic routing, Local Area Network (LAN) protocols, TCP/IP, and some security issues.

0101	Zoltan Safar W 5:30pm - 8:15pm Tu 5:30pm - 8:15pm	Seats (Total: 24) CSS 2428 AVW 1458	 Lab
0102	Zoltan Safar W 5:30pm - 8:15pm Th 5:30pm - 8:15pm	Seats (Total: 24) CSS 2428 AVW 1458	 Lab
0201	Zoltan Safar W 2:00pm - 4:45pm Tu 2:00pm - 4:45pm	Seats (Total: 24) JMZ 0105 AVW 1458	 Lab
0202	Zoltan Safar W 2:00pm - 4:45pm Th 2:00pm - 4:45pm	Seats (Total: 24) JMZ 0105 AVW 1458	 Lab

ENTS641 **Networks and Protocols II**

ENTS641 Networks and Protocols II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program.* Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

0101	Mehdi Kalantari Khandani Th 5:30pm - 8:15pm	Seats (Total: 40) EGR 3106	

ENTS649B **Special Topics in Networking; Cloud Computing**

ENTS649B Special Topics in Networking: Cloud Computing; (3 credits) Grade Method: REG/AUD.
Clicke here for more course information.

0101	Reza Eftekari F 9:00am - 12:00pm	Seats (Total: 30) CSI 2120

ENTS653 **AWS/PCS System Implementation**

ENTS653 AWS/PCS System Implementation; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in Telecommunications (Master's) program. Credit only granted for: ENTS653 or ENTS689A. Formerly: ENTS689A.* Engineering issues associated with designing and deploying a AWS/PCS cellular wireless communications system in the current world environment will be examined. The course will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering practice to overcome obstacles. Students will create and modify mock deployments using professional tools for cell planning and interference analysis. Students will also be exposed to drive testing tools and concepts for migration to future technologies.

0101	Michael Dellomo Th 5:30pm - 8:15pm	Seats (Total: 40) ITV 1111
0201	Michael Dellomo Th 2:00pm - 4:45pm	Seats (Total: 40) PHY 0405

ENTS657 **Satellite Communication Systems**

ENTS657 Satellite Communication Systems; (3 credits) Grade Method: REG/AUD. *Credit only granted for: ENTS657 or ENTS689S. Formerly: ENTS689S.* An examination of satellite telecommunication systems with an emphasis on the mobile satellite systems (MSS). Topics will include a historical perspective, orbital mechanics and constellations, choice of orbital parameters, propagations considerations, link budgets, interference issues and other obstacles, and existing and proposed mobile satellite systems. It will also look at some of the business aspects such as the cost of deploying and maintaining these systems.

0101	Tahereh Fazel F 5:30pm - 8:15pm	Seats (Total: 30) EGR 2154

ENTS673 **Project Management for Telecommunications**

ENTS673 Project Management for Telecommunications; (3 credits) Grade Method: REG/AUD.
Formerly: ENTS689P. Introduces modiern project management. Begins with an overview and expands into Adaptive and Extreme project management. The focus then shifts to the individual skills required to be an effective project manager, such as time management, leadership and motivation. Once skills of the individual have been addressed, social networks and how they impact project management are examined.

0101	Instructor: TBA Tu 5:30pm - 8:15pm	Seats (Total: 30) SQH 1105

ENTS689F **Special Topics in Telecommunications; Fundamentals of Wireless LANs**

ENTS689F Special Topics in Telecommunications: Fundamentals of Wireless LANs; (3 credits) Grade Method: REG/AUD.
Click here for more course information

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 30) EGR 3106

ENTS689K **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics in Telecommunications: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.
Department permission required.

0101	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689N **Special Topics in Telecommunications; Network Programming**

ENTS689N Special Topics in Telecommunications: Network Programming; (3 credits) Grade Method: REG/AUD.
Click here for more course information

0101	Masoud Hamedi M 5:30pm - 8:15pm	Seats (Total: 30) EGR 2154

ENTS699A **Independent Study in Telecommunications; Advanced Seminar in 3G and 4G**

ENTS699A *(PermReq)* **Independent Study in Telecommunications: Advanced Seminar in 3G and 4G; (1 credit)** Grade Method: REG/AUD.

0101	Kamran Etemad F 12:30pm - 1:30pm	Seats (Total: 20) CSS 2416

ENTS749A **Advanced Topics in Networking; Network Traffic and Application Performance Analysis**

ENTS749A Advanced Topics in Networking: Network Traffic and Application Performance Analysis; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Majid Raissi-Dehkordi M 5:30pm - 8:15pm	Seats (Total: 24) AVW 1458

ENTS749B **Advanced Topics in Networking; Software-Defined Networking (SDN)**

ENTS749B Advanced Topics in Networking: Software-Defined Networking (SDN); (3 credits) Grade Method: REG/AUD.
Prerequisites: ENTS640 and 641.
Please click here for further course information.

0101	Instructor: TBA W 5:30pm - 8:15pm	Seats (Total: 30) JMP 1202

ENTS759A **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

ENTS759A Advanced Topics in Communications: 3G/4G Wireless Networks and Systems; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Kamran Etemad F 2:00pm - 4:45pm	Seats (Total: 25) CSS 2400

EPIB Epidemiology and Biostatistics Fall 2014

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Typhanye Dyer	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 0302

EPIB612 **Epidemiologic Study Design**

EPIB612 *(PermReq)* **Epidemiologic Study Design; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650, EPIB610, and EPIB611. Application of epidemiologic study designs, analytic methods used for analysis of cohort, case-control, cross-sectional, and clinical trials research. Prequisties: EPIB650, EOIB610, and EPIB611.

0101	Hongjie Liu	Seats (Total: 20)
	M 1:00pm - 3:45pm	SPH 0308

EPIB622 **Social Determinants of Health**

EPIB622 *(PermReq)* **Social Determinants of Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.

0101	Sunmin Lee	Seats (Total: 20)
	Th 4:00pm - 6:45pm	SPH 0301

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Instructor: TBA Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

EPIB652 **Categorical Data Analysis**

EPIB652 *(PermReq)* **Categorical Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Recommended: EPIB698C (SAS Basics). Methods for analysis of categorical data as applied to public health research, including contingency tables, logistic regression, multicategory logic models, loglinear models, and models for matched-pairs.

0101	Shuo Chen W 4:00pm - 6:45pm	Seats (Total: 20) SPH 1302

EPIB655 **Longitudinal Data Analysis**

EPIB655 *(PermReq)* **Longitudinal Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.

0101	Xin He Tu 1:00pm - 3:45pm	Seats (Total: 25) SPH 0227

EPIB698E **Special Topics in Epidemiology and Biostatistics; SAS Programming**

EPIB698E Special Topics in Epidemiology and Biostatistics: SAS Programming; (3 credits) Grade Method: REG/AUD.
Designed for students who want to learn how to analyze and summarize data using SAS. It begins by introducing the students to basic SAS programming and data manipulation techniques. More advanced themes, such as preliminary data analysis and graphs, are explored later in the semester. Finally, the class covers the implementation of several advanced statistical concepts in SAS, including T-tests, ANOVA, non-parametric tests, regression and normality tests.

0101	Raul Cruz-Cano	Seats (Total: 20)
	W 4:00pm - 6:40pm	SPH 0227

EPIB698J **Special Topics in Epidemiology and Biostatistics; Epidemiologic Methods for Primary Research**

EPIB698J *(PermReq)* **Special Topics in Epidemiology and Biostatistics: Epidemiologic Methods for Primary Research; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB 610 or permission from instructor. This course provides students with the knowledge and skills to design and implement epidemiologic research studies and to collect primary data. This course presents an overview of types of research designs, sampling methodologies, measurement issues, questionnaire design, and guidelines for recruiting and interacting with participants. This foundation of knowledge is applied to group assignments, which apply the steps involved in the primary data collection process. Goals of this course include: (a) achieving competence in designing and implementing studies based on scientifically sound epidemiologic research methods; and (b) gaining the ability to critically evaluate health research and epidemiologic studies.

0101	David Chae	Seats (Total: 20)
	M 4:00pm - 6:45pm	SPH 0307

EPIB785 **Internship in Public Health**

EPIB785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EXST Office of Extended Studies Fall 2014

EXST009A **Fundamentals of Interpreting; Chinese into English/English into Chinese Interpretation**

EXST009A Fundamentals of Interpreting: Chinese into English/English into Chinese INterpretation; (No credit) Grade Method: NGI.

PG01	Victoria Segal, Peng Wang W 9:00am - 11:00am *Restricted to students in GSIT Program.*	Seats (Total: 16) SKN 3118

EXST009B **Fundamentals of Interpreting; Chinese Sight Translation**

EXST009B Fundamentals of Interpreting: Chinese Sight Translation; (No credit) Grade Method: NGI.

PG01	Peng Wang Tu 5:30pm - 6:30pm *Restricted to students in GSIT program.*	Seats (Total: 16) PLS 1180

EXST009C **Fundamentals of Interpreting; Korean into English/English into Korean Interpreation**

EXST009C Fundamentals of Interpreting: Korean into English/English into Korean Interpreation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA W 11:00am - 1:00pm *Restricted to students in GSIT Program.*	Seats (Total: 16) SKN 3118

EXST009D **Fundamentals of Interpreting; Korean Sight Translation**

EXST009D Fundamentals of Interpreting: Korean Sight Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA W 1:00pm - 2:00pm *Restricted to students in GSIT Program.*	Seats (Total: 16) SKN 3118

EXST009E **Fundamentals of Interpreting; Spanish into English/English into Spanish Interpretation**

EXST009E Fundamentals of Interpreting: Spanish into English/English into Spanish Interpretation; (No credit) Grade Method: NGI.

PG01	Teresa Salazar W 5:30pm - 7:30pm *Restricted to students in GSIT Program.*	Seats (Total: 16) SKN 3118

EXST009F **Fundamentals of Interpreting; Spanish/English Sight Translation**

EXST009F Fundamentals of Interpreting: Spanish/English Sight Translation; (No credit) Grade Method: NGI.

PG01	Teresa Salazar W 7:30pm - 8:30pm *Restricted to students in GSIT Program.*	Seats (Total: 16) SKN 3118

EXST009G **Fundamentals of Interpreting; Arabic/English/French Interpretation**

EXST009G Fundamentals of Interpreting: Arabic/English/French Interpretation; (No credit) Grade Method: NGI.

PG01	Nelly Kabbouche	Seats (Total: 16)
	Tu 9:00am - 11:00am	SKN 3118
	Meets every other week beginning September 2nd. Restricted to students in GSIT Program.	

EXST009I **Fundamentals of Interpreting; Arabic/English Interpretation**

EXST009I Fundamentals of Interpreting: Arabic/English Interpretation; (No credit) Grade Method: NGI.

PG01	Taoufik Ammar	Seats (Total: 16)
	Sa 12:30pm - 4:00pm	SKN 3118
	Meets Oct. 4, 11, 18, 25. Restricted to students in GSIT Program.	

EXST009J **Fundamentals of Interpreting; English/Arabic Sight Translation**

EXST009J Fundamentals of Interpreting: English/Arabic Sight Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	M 3:30pm - 5:30pm	SKN 2127
	Meets Sept. 8, Oct. 27, Nov. 17, and Dec. 8. Restricted to students in GSIT Program.	

EXST009K **Fundamentals of Interpreting; English/Arabic/French Sight Translation**

EXST009K Fundamentals of Interpreting: English/Arabic/French Sight Translation; (No credit) Grade Method: NGI.

PG01	Nelly Kabbouche	Seats (Total: 16)
	Tu 11:00am - 12:00pm	SKN 2127
	Meets every other week beginning September 2nd. Restricted to students in GSIT Program.	

EXST009L **Fundamentals of Interpreting; French/English Interpretation**

EXST009L Fundamentals of Interpreting: French/English Interpretation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	M 12:00pm - 2:00pm	SKN 3118
	Meets beginning September 8. Restricted to students in GSIT Program.	

EXST009M **Fundamentals of Interpreting; French Sight Translation**

EXST009M Fundamentals of Interpreting: French Sight Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	M 2:00pm - 3:00pm	SKN 3118
	Meest beginning September 8. Restricted to students in GSIT Program.	

EXST018A **Advanced Consecutive Interpretation; Spanish into Spanish/English/French Interpretation**

EXST018A Advanced Consecutive Interpretation: Spanish into Spanish/English/French Interpretation; (No credit) Grade Method: NGI.

PG01	Rosalinda Meza-Steel	Seats (Total: 16)
	Sa 1:00pm - 4:00pm	SKN 3118
	Restricted to Students in GSIT Program.	

EXST018B **Advanced Consecutive Interpretation; Chinese into English/English into Chinese Interpretation**

EXST018B Advanced Consecutive Interpretation: Chinese into English/English into Chinese Interpretation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	Th 10:00am - 12:00pm	SKN 3118
	Restricted to students in GSIT Program.	

EXST018C **Advanced Consecutive Interpretation; Chinese into English/English into Chinese Interpretation**

EXST018C Advanced Consecutive Interpretation: Chinese into English/English into Chinese Interpretation; (No credit) Grade Method: NGI.

PG01	Kelly Moudy	Seats (Total: 16)
	Th 6:15pm - 7:45pm	SKN 3118
	Meets September 11, 25, October 9, 16, 23, November 6, 13, 20, December 4, 11, 15. Restricted to students in GSIT Program.	

EXST028A **Simultaneous Interpretation; Chinese into English/English into Chinese**

EXST028A Simultaneous Interpretation: Chinese into English/English into Chinese; (No credit) Grade Method: NGI.

PG01	Peng Wang	Seats (Total: 16)
	F 9:00am - 11:00am	SKN 3118
	Meets every other week beginning September 5th. Restricted to students in GSIT Program.	

EXST028B **Simultaneous Interpretation; Chinese into English/English into Chinese**

EXST028B Simultaneous Interpretation: Chinese into English/English into Chinese; (No credit) Grade Method: NGI.

PG01	Kelly Moudy	Seats (Total: 16)
	Th 8:00pm - 9:30pm	SKN 3118
	Meets September 11, 25, October 9, 16, 23, November 6, 13, 20, December 4, 11, 15. Restricted to students in GSIT Program.	

EXST028C **Simultaneous Interpretation; Spanish/English/French**

EXST028C Simultaneous Interpretation: Spanish/English/French; (No credit) Grade Method: NGI.

PG01	Rosalinda Meza-Steel	Seats (Total: 16)
	Sa 9:00am - 12:00pm	SKN 3118
	Restricted to students in GSIT Program.	

EXST039A **Fundamentals of Translation; English into Spanish Translation/Spanish into English Translation**

EXST039A Fundamentals of Translation: English into Spanish Translation/Spanish into English Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	Th 6:00pm - 8:00pm	SKN 3117
	Restricted to students in GSIT Program.	

EXST039B **Fundamentals of Translation; Chinese into English/English into Chinese Translation**

EXST039B Fundamentals of Translation: Chinese into English/English into Chinese Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	Tu 6:30pm - 8:30pm	PLS 1180
	Restricted to students in GSIT Program.	

EXST039C **Fundamentals of Translation; Korean into English/English into Korean Translation**

EXST039C Fundamentals of Translation: Korean into English/English into Korean Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	M 10:00am - 12:00pm	KEY 0107
	Meets beginning September 8. Restricted to students in GSIT Program.	

EXST039D **Fundamentals of Translation; Arabic into English Translation/English into Arabic Translation**

EXST039D Fundamentals of Translation: Arabic into English Translation/English into Arabic Translation; (No credit) Grade Method: NGI.

PG01	Mahmoud Elgibali	Seats (Total: 16)
	Tu 4:00pm - 6:00pm	SKN 3118
	Restricted to students in GSIT Program.	

EXST039E **Fundamentals of Translation; Italian/French into English Translation**

EXST039E Fundamentals of Translation: Italian/French into English Translation; (No credit) Grade Method: NGI.

PG01	Erin Lyons	Seats (Total: 16)
	M 9:00am - 12:00pm	SKN 2127
	Meets September 8, 15. December 1, 8, 15.Restricted to students in GSIT Program.	

EXST039F **Fundamentals of Translation; English into Italian Translation**

EXST039F Fundamentals of Translation: English into Italian Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	Th 9:00am - 11:00am	SKN 2127
	Meets every other week beginning September 11. Restricted to students in GSIT program.	

EXST039G **Fundamentals of Translation; English/Italian, French Sight Translation**

EXST039G Fundamentals of Translation: English/Italian, French Sight Translation; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	Th 11:30am - 12:30pm	SKN 2127
	Meets every other week beginning September 11. Restricted to students in GSIT Program.	

EXST058A **Professional Practice Forum in Interpreting: Practicum; Chinese/English**

EXST058A Professional Practice Forum in Interpreting: Practicum: Chinese/English; (No credit) Grade Method: NGI.

PG01	Peng Wang	Seats (Total: 16)
	F 1:00pm - 3:00pm	SKN 3117
	Meets every other week beginning September 12th. Restricted to students in GSIT Program.	

EXST058B **Professional Practice Forum in Interpreting: Practicum; Spanish/English/French**

EXST058B Professional Practice Forum in Interpreting: Practicum: Spanish/English/French; (No credit) Grade Method: NGI.

PG01	Instructor: TBA	Seats (Total: 16)
	F 1:00pm - 3:00pm	SKN 3118
	Meets every other week beginning September 12th. Restricted to students in GSIT Program.	

EXST079A **Independent Study; Public Speaking: Diction**

EXST079A Independent Study: Public Speaking: Diction; (No credit) Grade Method: NGI.

PG01	Andrew Wolvin, Jean Vandenbosch Th 3:00pm - 4:00pm *Restricted to students in GSIT Program.*	Seats (Total: 10) SKN 2117	

FILM Film Studies Fall 2014

FILM245 **Film Form and Culture**

FILM245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken TuTh 12:30pm - 1:20pm Th 3:30pm - 6:00pm F 10:00am - 10:50am	Seats (Total: 22) JMZ 0220 JMZ 0220 TWS 0236	 Lab Discussion
0102	Oliver Gaycken TuTh 12:30pm - 1:20pm Th 3:30pm - 6:00pm F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 JMZ 0220 TWS 0236	 Lab Discussion
0103	Oliver Gaycken TuTh 12:30pm - 1:20pm Th 3:30pm - 6:00pm F 12:00pm - 12:50pm	Seats (Total: 22) JMZ 0220 JMZ 0220 TWS 0236	 Lab Discussion
0104	Oliver Gaycken TuTh 12:30pm - 1:20pm Th 3:30pm - 6:00pm F 1:00pm - 1:50pm	Seats (Total: 22) JMZ 0220 JMZ 0220 TWS 0236	 Lab Discussion

0105	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	Class time/details on ELMs	ONLINE	Discussion
0106	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	JMZ 0220	
	Th 3:30pm - 6:00pm	JMZ 0220	Lab
	Class time/details on ELMs	ONLINE	Discussion

FILM299I **Special Topics in Film Studies; Introduction to Israeli Cinema**

FILM299I Special Topics in Film Studies: Introduction to Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities. Also offered as ISRL282. Credit granted for ISRL282 or FILM299I. An overview of Israeli cinema, with attention to the distinctive themes, politics, and problems that distinguish Israeli film-making. Taught in English.

0101	Eric Zakim	Seats (Total: 40)
	TuTh 9:30am - 10:45am	HBK 0302J

FILM301 **Cinema History I: The Silent Era**

FILM301 Cinema History I: The Silent Era; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Examines the development of silent cinema from the 1890s to the early 1930s drawing on at least five distinct national traditions (French, German, Russian, British, and American). Introduces students to key cinematic conventions as they emerged around the world.

0101	Jonathan Auerbach	Seats (Total: 30)
	MW 12:00pm - 1:50pm	HBK 0302H

FILM345 **The Films of Alfred Hitchcock**

FILM345 The Films of Alfred Hitchcock; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Credit only granted for: FILM345 or ENGL329J.* An examination of important Hitchcock films from the perspective of innovation, aesthetics, and cultural history.

0101	Marianne Conroy	Seats (Total: 28)	
	TuTh 2:00pm - 3:15pm	TWS 1107	
	Tu 3:30pm - 5:30pm	HBK 0302H	

FILM359R **Special Topics in Genres/Auteurs/Cinema Movements; Realism and the Real in Film**

FILM359R Special Topics in Genres/Auteurs/Cinema Movements: Realism and the Real in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SLLC368R. Credit granted for FILM359R or SLLC368R.

0101	Elizabeth Papazian	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	HBK 0302J	
	W 3:15pm - 5:00pm	HBK 0302J	Lab

FILM362 **Vision, Visuality, and the Gaze in Cinema**

FILM362 Vision, Visuality, and the Gaze in Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of Film Studies Program. Also offered as: SLLC362. Credit only granted for: SLLC362, FILM362, or SLLC368A. Formerly: SLLC368A. Students will build a way of talking critically about film. The prism of seeing, visuality, the gaze, and the like will serve as a way to investigate the way films take on meaning as well as to understand how film participates in a wide network of interconnected ideas, concepts, and modes of thought that have contributed to the audiences' ability to make sense of what a film is conveying.

0101	Eric Zakim	Seats (Total: 30)	
	M 10:00am - 10:50am	HBK 0302H	
	W 10:00am - 11:50am	HBK 0302H	

FILM388 **Experiential Learning: Film Studies**

FILM388 *(PermReq)* **Experiential Learning: Film Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Click here for more course information.

Contact department for information to register for this course.

FILM412 **Animation and Cinema**

FILM412 Animation and Cinema; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Restriction: Must not have completed ENGL468C. Credit only granted for: FILM412 or ENGL468C.* An examination of animation in art, cinema, and other media. An examination of animation in art, cinema, and other media.

0101	Oliver Gaycken	Seats (Total: 23)	
	TuTh 9:30am - 10:45am	TWS 0201	
	Th 3:30pm - 6:00pm	TWS 1100	Lab

FILM426 **Modern Chinese Film and Visual Culture**

FILM426 Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ARTH484. Credit only granted for: FILM426 or ARTH484; ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009. Formerly: ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009. Modern Chinese culture, society, and history studied through examples of art, film, and visual culture. Also offered as ARTH484.

0101	Jason Kuo	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	HBK 0302J	

FILM429C **Special Topics in National/International Cinemas; Contemporary Chinese and Chinese-American Cinema on Women**

FILM429C Special Topics in National/International Cinemas: Contemporary Chinese and Chinese-American Cinema on Women; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ARTH488C and WMST498J. Credit granted for ARTH488C, FILM429C, or WMST498J. Through a transnational study of major filmmakers from mainland China to Hong Kong, Taiwan, and the Chinese diaspora, the course is intended to consider issues of female cinematic authorship, gender and sexuality in cinematic representation, power and knowledge, negotiations of local and global cultural politics.

0101	Jason Kuo TuTh 12:30pm - 1:45pm	Seats (Total: 10) HBK 0302J

FILM429F **Special Topics in National/International Cinemas; The Americas in Film**

FILM429F Special Topics in National/International Cinemas: The Americas in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498F and ENGL468F. Credit will be granted for CMLT498F, ENGL468F or FILM429F.

0101	Regina Harrison TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 0205

FILM441 **Italian Cinema I: Neorealism**

FILM441 Italian Cinema I: Neorealism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ITAL436. Credit only granted for: FILM441 or ITAL436. Explores representations of Italy in cinema with special focus on identity formation and the movement of Italian neorealism and post neorealism. Taught in English.

0101	Mauro Resmini M 2:00pm - 5:00pm W 2:00pm - 3:15pm	Seats (Total: 25) HBK 0302H JMZ 0220

FILM499 **Directed Study in Film Studies**

FILM499 *(PermReq)* **Directed Study in Film Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Click here for more course information.

Contact department for information to register for this course.

FMSC Family Science Fall 2014

FMSC110S **Families and Global Health**

FMSC110S Families and Global Health; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Students will explore, define, and study global health, social determinants of health, health inequalities, gender inequality, family violence, and maternal and child health using a global perspective. Restricted to CPSP Global Public Health students.

0101	Instructor: TBA	Seats (Total: 83)
	TuTh 9:30am - 10:45am	CCC 1205

FMSC111 **Credit Cards and College Students**

FMSC111 Credit Cards and College Students; (1 credit) Grade Method: REG/P-F/AUD.
Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D. Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

FCW1	Jinhee Kim	Seats (Total: 45)
	Meets October 19, 2014 - December 14, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to students in Freshmen Connection.	

FMSC170 **Future of Families: Issues and Controversies**

FMSC170 Future of Families: Issues and Controversies; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: FMSC170 or FMSC298F. Formerly: FMSC298F. Examination of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.

FC01	Kimberly Van Putten-Garnder	Seats (Total: 40)
	MW 3:00pm - 4:15pm	SPH 1301
	Restricted to students in Freshmen Connection.	

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: FMSC260 or FMST260. Formerly: FMST260. Couple relationships and their alternatives in contemporary dating, courtship and marriage. Restricted to Majors or non-majors with less than or equal to 60 credits.

0101	Instructor: TBA	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1303

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC290 or FMST290. Formerly: FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations. Restricted to Majors or non-majors with less than or equal to 60 credits.

0101	Manouchehr Mokhtari	Seats (Total: 65)
	TuTh 5:00pm - 6:15pm	SPH 1303

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katheryne Downes TuTh 9:30am - 10:45am	Seats (Total: 75) SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 60) SPH 1301
0201	Mia Smith-Bynum TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301
0301	Mia Smith-Bynum TuTh 11:00am - 12:15pm	Seats (Total: 49) SPH 0302

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Lauren Messina TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1303
0201	Mili Duggal MWF 12:00pm - 12:50pm	Seats (Total: 65) SPH 1303
0301	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 65) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: FMSC341 or FMST341. Formerly: FMST341. Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1301
0201	William Knight TuTh 11:00am - 12:15pm	Seats (Total: 49) SPH 0308
SG91	William Knight Tu 2:00pm - 4:50pm	Seats (Total: 40) BLD2 3012 *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission."*

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Ashley Munger MWF 9:00am - 9:50am	Seats (Total: 50) SPH 1303
0201	Kevin Roy TuTh 3:30pm - 4:45pm	Seats (Total: 50) SPH 1301
SG91	Shinta Hernandez Tu 11:30am - 2:20pm *Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.*	Seats (Total: 30) BLD3 4226
SG92	Shinta Hernandez Th 11:30am - 2:20pm *Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.*	Seats (Total: 30) BLD3 4226

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.
Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Marian Jones MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1303

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC410 **Maternal, Child and Family Health**

FMSC410 Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC410 or FMSC498A. Formerly: FMSC498A. Overview of major issues, policies, and programs related to the health of women, children, and their families in the United States. Review of social, political, and economic determinants of maternal and child health and health disparities. Use of epidemiological methods and data to identify best practices for guiding maternal and child health policy and practice.

0101	Marian Jones MWF 9:00am - 9:50am	Seats (Total: 45) SPH 0302
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 45) SPH 1302

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1301

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or must have completed a comparable development course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Katie Hrapczynski MWF 10:00am - 10:50am	Seats (Total: 40) SPH 0302

0201	Katie Hrapczynski MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 0302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 65) SPH 1301

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101	Sherylls Kahn W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 50) SPH 0302
0201	Sally Koblinsky W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) Location: TBA

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC487 or FMST487. Formerly: FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 9:30am - 10:45am	Seats (Total: 55) SPH 1302
0201	Kerry Tripp TuTh 12:30pm - 1:45pm	Seats (Total: 55) SPH 1302

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC600 **Family Theories**

FMSC600 Family Theories; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC600 or FMST600. Formerly: FMST600. An overview of the theoretical frameworks underlying research on the family. Survey of research findings.

0101	Kevin Roy Th 9:00am - 11:45am	Seats (Total: 15) CSS 0201

FMSC606 **Ethnic Families and Health Disparities**
Contact department for information to register for this course.

FMSC640 **Family Therapy: Theory and Techniques**

FMSC640 *(PermReq)* **Family Therapy: Theory and Techniques; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: FMSC640 or FMST640. Formerly: FMST640. Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Carol Werlinich M 10:00am - 12:45pm	Seats (Total: 11) Location: TBA

FMSC641 **Couples Therapy, Theory, and Techniques**

FMSC641 Couples Therapy, Theory, and Techniques; (3 credits) Grade Method: REG.
Prerequisite: FMSC640. Credit only granted for: FMSC641 or FMSC641. Formerly: FMST641. Overview of theoretical models of couple relationships and methods of facilitating growth and interaction within those relationships. Emphasis on couples with conflicting needs and expectations, and dysfunctional communication and conflict negotiation skills.

0101	Norman Epstein Th 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC642 **Normal and Abnormal Individual and Family Development**

FMSC642 *(PermReq)* **Normal and Abnormal Individual and Family Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC640. Credit only granted for: FMSC642 or FMST642. Formerly: FMST642. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Elise Resnick Th 9:00am - 11:45am	Seats (Total: 15) Location: TBA

FMSC650 **Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

FMSC650 *(PermReq)* **Ethical, Legal, and Professional Principles in Marriage and Family Therapy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Family Science department. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC650 or FMST650. Formerly: FMST650. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101	Norman Epstein Tu 9:00am - 11:45am	Seats (Total: 25) Location: TBA

FMSC652 **Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC652 or FMST652. Formerly: FMST652. Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).

0101	Leigh Leslie Tu 9:00am - 11:45am	Seats (Total: 20) CSS 1113

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: FMST 650 and permission of instructor.

0101	Norman Epstein W 9:00am - 12:00pm	Seats (Total: 20) Location: TBA

FMSC660 **Program Planning and Evaluation in Family Studies**
Contact department for information to register for this course.

FMSC689 **Research Internship**

FMSC689 *(PermReq)* **Research Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC710 **Maternal and Child Health from a Life Course Perspective**

FMSC710 *(PermReq)* **Maternal and Child Health from a Life Course Perspective; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: FMSC710 or FMST710. Formerly: FMST710. Survey of current science in maternal and child health informed by a life course perspective. The surveyed topics include inutero exposure to toxins, feeding and growth, and effects of chronic stress, maternal and child health.

0101	Edmond Shenassa	Seats (Total: 10)
	Tu 3:00pm - 5:45pm	Location: TBA

FMSC720 **Study Design in Maternal Child Health Epidemiology**
Contact department for information to register for this course.

FMSC750 **Family and Health Policy**

FMSC750 Family and Health Policy; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC750 or FMST750. Formerly: FMST750. Development and analysis of public policies affecting the health and well-being of children, youth, and families, with an emphasis on low income and ethnic minority populations. Examiniation of social, economic, and political dynamics that influence family and health policies and the delivery of health care. Introduction to health advocacy within the US public health system.

0101	Elaine Anderson M 9:30am - 12:15pm	Seats (Total: 15) Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC850 **Maternal & Child Health Epidemiology**

FMSC850 *(PermReq)* **Maternal & Child Health Epidemiology; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Credit only granted for: FMSC850, FMST698P, or FMST850. Formerly: FMST850. Determinants and trends in Maternal and Child Health, including analysis of the role of economic inequalities, race and ethnicity, community contexts, and psychosocial factors across the life course. Overview of methods and data systems used to monitor Maternal and Child Health. Development of a complete population health study.

0101	Sandra Hofferth M 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC879 **Preparing Future Faculty and Professionals Seminar**

FMSC879 Preparing Future Faculty and Professionals Seminar; (1 credit) Grade Method: REG.
Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health.

0101	Sally Koblinsky W 1:00pm - 1:50pm	Seats (Total: 30) Location: TBA

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Fall 2014

FOLA139R **Directed Study of a Foreign Language II; Elementary Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Elementary Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director.

0101	Naime Yaramanoglu Contact instructor or department for details. Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 3)
0201	Naime Yaramanoglu Contact instructor or department for details.	Seats (Total: 1)

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139R or FOLA 158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 2:00pm - 3:30pm	HBK 1112	Lab
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Intermediate Turkish**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Turkish; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Turkish I (Intensive)**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Turkish I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 3:30pm - 5:30pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Urdu (Intensive)**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Urdu (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA 158X or 158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	W 6:30pm - 9:30pm	JMZ 3120	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Turkish; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 158X or 158P or 139P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Th 6:30pm - 9:30pm	JMZ 3120	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN French Fall 2014

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103. Covers speaking, reading, writing, listening, and culture of French-speaking world.

BL01	Catherine Favier-Kelly	Seats (Total: 25)	
	MWF 10:00am - 10:50am	KEY 0120	
	Class time/details on ELMs	ONLINE	

BL02	Instructor: TBA MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) TLF 1103 ONLINE
BL03	Lindsey Reinstrom MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) EDU 0206 ONLINE

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203. Covers speaking, reading, writing, listening, and culture of French-speaking world.

BL01	Instructor: TBA MWF 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 25) JMZ 0205 ONLINE
BL02	Hannah Wegmann MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) ARC 1105 ONLINE
BL03	Jill McAlister MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2122 ONLINE
BL04	Jill McAlister MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2117 ONLINE

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Morgan McMahon MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TWS 0221 TWS 1107
0201	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 25) KEY 0116
0301	Morgan McMahon MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3205

FREN211 **French Reading and Conversation**
Contact department for information to register for this course.

FREN242 **Francophone Writers of Africa and the African Diaspora**

FREN242 Francophone Writers of Africa and the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Valerie Orlando TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2123

FREN250 **Introduction to Cultural and Textual Analysis**

FREN250 Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN 250H.

0101	Abby Broughton MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0120

0201	Abby Broughton MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0120

FREN250H **Introduction to Cultural and Textual Analysis**

FREN250H Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. For general honors students only. Also offered as FREN 250.

0101	Abby Broughton MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0120
0201	Abby Broughton MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0120

FREN269F **Special Topics in Study Abroad II; French Conversation I**
Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**
Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**
Contact department for information to register for this course.

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Grammatical analysis, elements of style; range of written genres.

0101	Elena Lozinsky TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2120

0201	Erica Cefalo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 1224

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Practicum in translation primarily from English to French; contrastive analysis.

0101	Elena Lozinsky	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JMZ 3203

FREN306 **Commercial French I**
Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**
Contact department for information to register for this course.

FREN312 **France Today**

FREN312 France Today; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Analysis and discussion of current events and institutions using various French media resources.

0101	Joseph Brami	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2120

FREN351 **From Romanticism to the Age of Modernism and Beyond**

FREN351 From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN 351H.

0101	Erica Cefalo	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 1224

FREN351H **From Romanticism to the Age of Modernism and Beyond**

FREN351H From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN351.

0101	Erica Cefalo	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 1224

FREN352 **From the Age of Epic and Romance to the Enlightenment**
Contact department for information to register for this course.

FREN369F **Special Topics in Study Abroad III; Third Year French I**
Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**
Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**
Contact department for information to register for this course.

FREN386 **Experiential Learning**

FREN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**
Contact department for information to register for this course.

FREN399P **Directed Study in French; French Phonetics**

FREN399P Directed Study in French: French Phonetics; (2 credits) Grade Method: REG.

0101	Mary Scullen	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

FREN401 **Writing with Style**
Contact department for information to register for this course.

FREN459B **Studies in 19th Century French Literature and Culture; Prose and Poetry**

FREN459B Studies in 19th Century French Literature and Culture: Prose and Poetry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN 351 or 352 or equivalent.

0101	Joseph Brami	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 0205

FREN474 **Contemporary France: A Sociocritical Approach**

FREN474 Contemporary France: A Sociocritical Approach; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: FREN473. A sociocritical approach to understanding modern French society through the study of print and non-print media documents (autobiography, film, and paraliterature), with reference to the Francophone world.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2123

FREN488V **Special Topics in Francophone Studies; Literature and Film from Africa and the Caribbean**

FREN488V Special Topics in Francophone Studies: Literature and Film from Africa and the Caribbean; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: FREN 351 or 352 or equivalent. Taught in French. Sudents get exposure to some of the most important novels of the 20th-21st century exploring the ideas and philosophies of famous African and Caribbean writers of French expression. The course content is based on the historical and aesthetic evolution of Francophone literature of Africa and the Caribbean. Students are encouraged to explore and discuss the socio-political framework of colonization and decolonization as well the specificity of each novel in terms of its own intrinsic qualities. Particular emphasis will focus on major historical events during the colonial and post-colonial eras that have shaped the authors fields of reference.

0101	Valerie Orlando TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2206

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN499X **Special Topics in French Studies; Directed Study in French**
Contact department for information to register for this course.

FREN639G **Special Topic in Seventeenth Century French Literature; Survey of French Literature**

FREN639G Special Topic in Seventeenth Century French Literature: Survey of French Literature; (3 credits) Grade Method: REG/AUD.

0101	Andrea Frisch M 4:30pm - 7:15pm	Seats (Total: 10) JMZ 3106A

FREN669V **Special Topics in Twentieth Century French Literature; Variations of 20th Century French Literature**

FREN669V Special Topics in Twentieth Century French Literature: Variations of 20th Century French Literature; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Th 4:30pm - 7:15pm	Seats (Total: 10) JMZ 0205

FREN699T **Seminar; Transnational Theory and Criticism**

FREN699T Seminar: Transnational Theory and Criticism; (3 credits) Grade Method: REG/AUD.

0101	Hester Baer, Ryan Long W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2123

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Fall 2014

GEMS100 **Freshman Honors Colloquium: Introduction to Gemstone**

GEMS100 Freshman Honors Colloquium: Introduction to Gemstone; (1 credit) Grade Method: REG.
Restriction: Freshman standing; and must be in the Gemstone program. Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin Tu 9:00am - 10:15am	Seats (Total: 10) ELL 0100A
0201	Leah Kreimer Tobin Tu 11:00am - 12:15pm	Seats (Total: 11) ELL 0100A
0301	Leah Kreimer Tobin Tu 12:15pm - 1:30pm	Seats (Total: 10) ELL 0100D
0401	Leah Kreimer Tobin Tu 2:00pm - 3:15pm	Seats (Total: 10) ELL 0100A
0501	Leah Kreimer Tobin Tu 3:45pm - 5:00pm	Seats (Total: 11) ELL 0100A

0601	Leah Kreimer Tobin Tu 4:45pm - 6:00pm	Seats (Total: 11) ELL 0100D
0701	Leah Kreimer Tobin W 9:30am - 10:45am	Seats (Total: 11) ELL 0100D
0801	Leah Kreimer Tobin W 12:30pm - 1:45pm	Seats (Total: 10) ELL 0100D
0901	Leah Kreimer Tobin W 2:00pm - 3:15pm	Seats (Total: 10) ELL 0100A
1001	Leah Kreimer Tobin W 3:30pm - 4:45pm	Seats (Total: 11) ELL 0100D
1101	Leah Kreimer Tobin W 4:45pm - 6:00pm	Seats (Total: 11) ELL 0100A
1201	Leah Kreimer Tobin Th 9:30am - 10:45am	Seats (Total: 10) ELL 0100A
1301	Leah Kreimer Tobin Th 10:30am - 11:45am	Seats (Total: 11) ELL 0100D
1401	Leah Kreimer Tobin Th 1:00pm - 2:15pm	Seats (Total: 11) ELL 0100A
1501	Leah Kreimer Tobin Th 4:00pm - 5:15pm	Seats (Total: 10) ELL 0100A
1601	Leah Kreimer Tobin Th 5:00pm - 6:15pm	Seats (Total: 11) ELL 0100D
1701	Leah Kreimer Tobin F 9:00am - 10:15am	Seats (Total: 11) ELL 0100D
1801	Leah Kreimer Tobin F 11:15am - 12:30pm	Seats (Total: 11) ELL 0100A
1901	Leah Kreimer Tobin F 1:30pm - 2:45pm	Seats (Total: 11) ELL 0100D

GEMS202 **Team Dynamics and Research Methodology**

GEMS202 Team Dynamics and Research Methodology; (2 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS296. Restriction: Must be in the Gemstone program; and sophomore standing or higher.
This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 16) JMZ 0220
0102	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0103	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0104	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0105	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0106	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0201	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0202	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220

0203	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0204	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0205	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220
0206	Kristan Skendall Tu 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) JMZ 0220

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

GEMS208A Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: First Time Section Leader; (1-3 credits)

Grade Method: REG.

Restriction: Must be in the Gemstone program.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 12)

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

GEMS208B Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: Returner Section Leader; (1-3 credits)

Grade Method: REG.

Restriction: Must be in the Gemstone program.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 13)

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

GEMS208C Special Topics in Leadership and Team Development: Introduction to Gemstone: First Time Section Leader; (1-3 credits) Grade Method: REG/AUD. Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)
0102	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)
0103	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

GEMS208D Special Topics in Leadership and Team Development: Introduction to Gemstone: Returner Section Leader; (1-3 credits) Grade Method: REG/AUD. Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)
0102	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)
0103	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS208E **Special Topics in Leadership and Team Development; GEMS Connect**

GEMS208E Special Topics in Leadership and Team Development: GEMS Connect; (1-3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Gemstone program.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 16)

GEMS208L **Special Topics in Leadership and Team Development; GEMS GSC Executive Board**

GEMS208L Special Topics in Leadership and Team Development: GEMS GSC Executive Board; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 6)	

GEMS296 **Team Project Seminar I**

GEMS296 Team Project Seminar I; (1 credit) Grade Method: REG. *Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS202. Restriction: Must be in the Gemstone program with sophomore standing in a research team.* This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Joseph Sullivan Th 3:30pm - 4:30pm Su 5:45pm - 7:00pm	Seats (Total: 14) PLS 1158 ARM 0102	 Discussion
0102	Jon Hoffman Tu 5:00pm - 5:50pm	Seats (Total: 14) JMZ 1226	
0103	Ricardo Araneda M 6:10pm - 7:00pm M 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA JMZ 1215	
0104	Jose Aranda-Espinoza M 8:00am - 8:50am Tu 5:00pm - 6:00pm	Seats (Total: 14) KEB 1200 JMZ 0120	
0105	Romel Gomez W 6:45pm - 7:45pm	Seats (Total: 14) JMZ 0120	
0106	Susan Dwyer Th 4:30pm - 5:30pm Tu 5:30pm - 6:30pm	Seats (Total: 14) Location: TBA Location: TBA	
0201	Volker Briken M 6:30pm - 7:30pm	Seats (Total: 14) MCB 2119	

0202	Liangbing Hu F 3:00pm - 3:50pm	Seats (Total: 14) Location: TBA
0203	Bao Yang Th 7:00pm - 8:00pm	Seats (Total: 14) ELL 0100A
0204	Anil Deane Th 6:30pm - 7:30pm W 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA ELL 0100A
0205	Matthew Roesch M 8:00am - 8:50am	Seats (Total: 14) BPS 1234
0206	Adam Hsieh Th 4:30pm - 5:20pm	Seats (Total: 14) Location: TBA
0209	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS297 **Team Project Seminar II**

GEMS297 Team Project Seminar II; (2-3 credits) Grade Method: REG. *Restriction: Must be in the Gemstone program with sophomore standing in a research team.* This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project.

0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 12)

GEMS396 **Team Project Seminar III**

GEMS396 Team Project Seminar III; (2 credits) Grade Method: REG. *Prerequisite: GEMS297. Restriction: Must be in the Gemstone program with junior standing in a research team.* This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Thomas Castonguay Tu 6:30pm - 7:20pm W 4:00pm - 4:50pm	Seats (Total: 14) JMZ 1224 Location: TBA
0102	Zhengguo Xiao M 5:00pm - 5:50pm W 8:00am - 8:50am	Seats (Total: 14) Location: TBA PLS 1172
0103	Kara Duffy Th 6:00pm - 7:50pm	Seats (Total: 14) Location: TBA
0104	Robert Newcomb Tu 6:30pm - 8:30pm M 7:00pm - 8:50pm	Seats (Total: 14) CSI 2118 KEY 0116
0105	Jonathan Dinman Tu 6:15pm - 7:15pm Th 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA JMZ 1224
0106	Silvia Muro M 8:00pm - 10:00pm	Seats (Total: 14) JMZ 2207
0201	Marcio Oliveira Tu 7:00pm - 7:50pm F 4:00pm - 4:50pm	Seats (Total: 14) JMZ 3203 SPH 0301
0202	Richard Yi Tu 8:00am - 8:50am Tu 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA JMZ 1124
0203	Ramani Duraiswami Tu 8:00am - 8:50am F 4:00pm - 4:50pm	Seats (Total: 14) Location: TBA Location: TBA
0204	Steven Anlage M 3:30pm - 4:20pm W 6:30pm - 7:20pm	Seats (Total: 14) Location: TBA Location: TBA
0205	Thomas Miller Tu 6:00pm - 6:50pm W 5:15pm - 6:05pm	Seats (Total: 14) ELL 0100D JMZ 0120

0206	Aravind Srinivasan Th 10:00am - 10:50am	Seats (Total: 14) AVW 3258
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS397 **Team Project Seminar IV**

GEMS397 Team Project Seminar IV; (2 credits) Grade Method: REG.
Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team. This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day.

0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 12)

GEMS496 **Project Writing Seminar**

GEMS496 Project Writing Seminar; (2 credits) Grade Method: REG.
Prerequisite: GEMS397. Restriction: Must be in the Gemstone program. This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Adam Behrens Th 5:00pm - 5:50pm Su 6:00pm - 6:50pm	Seats (Total: 14) JMZ 1120 JMZ 1120
0102	John Fisher M 3:30pm - 4:20pm W 3:30pm - 4:20pm	Seats (Total: 14) MTH 0306 MTH 0306
0103	Lance Yonkos Tu 6:30pm - 7:20pm Tu 7:30pm - 8:20pm	Seats (Total: 14) Location: TBA Location: TBA

0104	Ramalingam Chellappa M 5:00pm - 5:50pm Tu 6:30pm - 7:20pm	Seats (Total: 14) Location: TBA PLS 1172
0105	Erica Glasper Andrews M 5:30pm - 6:20pm M 6:30pm - 7:20pm	Seats (Total: 14) BPS 1228 BPS 1228
0106	Bill Fagan W 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 14) Location: TBA Location: TBA
0201	Jeremy Munday M 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 14) EGR 1102
0202	Ben Woodard M 8:00am - 8:50am Th 9:00pm - 9:50pm	Seats (Total: 14) JMZ 2122 JMZ 3203
0203	Andrew Ristvey W 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 14) PLS 1180 PLS 1172
0204	John Aloimonos M 1:00pm - 1:50pm Th 4:30pm - 5:30pm	Seats (Total: 14) JMZ 2122 Location: TBA
0205	Bryan Quinn MW 3:30pm - 4:30pm	Seats (Total: 14) Location: TBA
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 3)

GEMS497 Team Thesis Defense

GEMS497 Team Thesis Defense; (2 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: GEMS396. Restriction: Must be in the Gemstone program. Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission.

0208	Kristan Skendall	Seats (Total: 12)
	Contact instructor or department for details.	

GEOG Geographical Sciences Fall 2014

GEOG110 **The World Today: Global Perspectives**

GEOG110 The World Today: Global Perspectives; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

FC01	Rachel Berndtson	Seats (Total: 45)
	TuTh 7:30pm - 8:45pm	TYD 2111
	Restricted to students in Freshmen Connection.	

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0201	Ronald Luna MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0202	Ronald Luna MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0203	Ronald Luna MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 EDU 2101	Discussion
0204	Ronald Luna MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0205	Ronald Luna MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 HBK 1108	Discussion
0206	Ronald Luna MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 SQH 2121	Discussion
0207	Ronald Luna MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 SQH 1101	Discussion
0208	Ronald Luna MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 MMH 3419	Discussion
0209	Ronald Luna MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 MMH 1304	Discussion
0210	Ronald Luna MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 0122	Discussion

FC01	Ronald Luna TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 52) MMH 1400	

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

GEOG140 Natural Disasters: Earthquakes, Floods, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 EDU 3236	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 LEF 1201	Discussion
0103	Keith Yearwood MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) ARC 0204 ASY 3219	Discussion
0104	Instructor: TBA MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 KEY 0119	Discussion
0105	Keith Yearwood MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) ARC 0204 SQH 1111	Discussion

0106	Keith Yearwood MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) ARC 0204 SYM 0215	 Discussion

GEOG170 **Introduction to Methods of Geospatial Intelligence and Analysis**

GEOG170 Introduction to Methods of Geospatial Intelligence and Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Natural Sciences.
Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics. This course has a $40 lab fee.

0101	Paul Torrens MW 4:00pm - 4:50pm Th 9:00am - 11:00am	Seats (Total: 24) LEF 2205 LEF 1138	 Lab
0102	Paul Torrens MW 4:00pm - 4:50pm Th 1:00pm - 3:00pm	Seats (Total: 24) LEF 2205 LEF 1136	 Lab
0103	Instructor: TBA MW 4:00pm - 4:50pm Tu 1:00pm - 3:00pm	Seats (Total: 24) LEF 2205 LEF 1136	 Lab
0104	Paul Torrens MW 4:00pm - 4:50pm W 11:00am - 1:00pm	Seats (Total: 24) LEF 2205 LEF 1136	 Lab
0105	Paul Torrens MW 4:00pm - 4:50pm Tu 1:00pm - 3:00pm	Seats (Total: 24) LEF 2205 LEF 1138	 Lab

0106	Paul Torrens MW 4:00pm - 4:50pm F 1:00pm - 3:00pm	Seats (Total: 24) LEF 2205 LEF 1136	 Lab
0107	Paul Torrens MW 4:00pm - 4:50pm F 11:00am - 1:00pm	Seats (Total: 24) LEF 2205 LEF 1136	 Lab
0108	Paul Torrens MW 4:00pm - 4:50pm F 11:00am - 1:00pm	Seats (Total: 24) LEF 2205 LEF 1138	 Lab
0109	Paul Torrens MW 4:00pm - 4:50pm F 1:00pm - 3:00pm	Seats (Total: 24) LEF 2205 LEF 1138	 Lab
0110	Paul Torrens MW 4:00pm - 4:50pm Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 2205 LEF 1138	 Lab

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOG211).
A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Keith Yearwood TuTh 12:30pm - 1:45pm	Seats (Total: 240) LEF 2205	

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors. Students must pay a $40.00 laboratory materials fee.

0101	Keith Yearwood, Colleen Shipley M 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0201	Keith Yearwood, Christopher Vaillancourt F 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0301	Keith Yearwood, Nayoung Jo M 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
0401	Adriana Gilberto, Keith Yearwood Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0501	Keith Yearwood, Vincent Bergamo W 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0601	Keith Yearwood, Byron Marroquin M 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab
0701	Keith Yearwood, Qiana Kosmalski M 11:00am - 1:00pm	Seats (Total: 24) LEF 1138	Lab
0801	Keith Yearwood, Nayoung Jo Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab
0901	Keith Yearwood, Nayoung Jo Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
1001	Keith Yearwood, Nayoung Jo M 1:00pm - 3:00pm	Seats (Total: 24) LEF 1136	Lab

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in GEOG202.
Restriction: Must be in Geography program. Introduction to the basic methods and techniques employed in human geography.

0101	Kristen Bergery M 9:00am - 11:00am	Seats (Total: 30) TYD 2102	 Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

0101	Instructor: TBA M 10:00am - 12:00pm W 1:00pm - 3:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Instructor: TBA M 10:00am - 12:00pm M 1:00pm - 3:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG310 or GEOG321. Formerly: GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney MWF 2:00pm - 2:50pm	Seats (Total: 30) LEF 1201

GEOG313 **Latin America**

GEOG313 Latin America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: GEOG313 or GEOG323. Formerly: GEOG323. A geography of Latin America and the Caribbean in the contemporary world: political and cultural regions, population and resource distribution, historical development, current levels of economic and social well-being, urbanization, development policies, migration trends, physical features and climates.

0101	Ronald Luna MW 12:00pm - 1:15pm	Seats (Total: 50) TYD 1101

GEOG328C **Topics in Regional Geography; Subsaharan Africa**

GEOG328C Topics in Regional Geography: Subsaharan Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Hansen MW 11:00am - 12:15pm	Seats (Total: 25) TYD 0111

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

GEOG330 As the World Turns: Society and Sustainability in a Time of Great Change; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362. Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

0101	Instructor: TBA TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 KEY 0126	Discussion
0102	Martha Geores TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 LEF 1220	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 WDS 1114	Discussion
0104	Martha Geores TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 LEF 1222	Discussion
0105	Instructor: TBA TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) TYD 0130 LEF 1221	Discussion
0106	Martha Geores TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 2102	Discussion

GEOG332 **Economic Geography**

GEOG332 Economic Geography; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: GEOG203, GEOG303, or GEOG332. Formerly: GEOG303.* Principles of managing scarce resources in a world where everyone faces tradeoffs across both time and space. Focuses on the relationship between globalization processes and changing patterns of locational advantages, production, trade, population, socioeconomic and environmental grace and sustainability.

0101	Instructor: TBA TuTh 4:00pm - 4:50pm W 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0102	Instructor: TBA TuTh 4:00pm - 4:50pm W 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion

0103	Instructor: TBA TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 SQH 1107	 Discussion
0104	Instructor: TBA TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 SQH 1101	 Discussion

GEOG345 **Introduction to Climatology**

GEOG345 Introduction to Climatology; (3 credits) Grade Method: REG/P-F/AUD. The geographic aspects of climate with emphasis on energy-moisture budgets, steady-state and non steady-state climatology, and climatic variations at both macro- and micro-scales.

0101	Keith Yearwood MW 1:00pm - 2:15pm	Seats (Total: 50) LEF 1124

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD. Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. There is a $40.00 lab fee for this course.

0101	Petr Potapov MW 9:00am - 9:50am W 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Petr Potapov MW 9:00am - 9:50am W 1:00pm - 3:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. Students must pay a $40.00 laboratory materials fee.

0101	Naijun Zhou Tu 12:30pm - 2:30pm Th 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou Tu 12:30pm - 2:30pm W 9:00am - 11:00am *For GEOG majors only.*	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney Contact instructor or department for details.	Seats (Total: 15)

GEOG384H **Internship in Geography I**

GEOG384H *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 1)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

GEOG385H *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 1)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of BSOS-Geography department; and senior standing or higher; and must be in Geography program. Formerly: GEOG397. First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Rachel Berndtson	Seats (Total: 15)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Restriction: Must be in Geography program; and senior standing or higher. Formerly: GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG398H **Special Topics in Geography**

GEOG398H *(PermReq)* **Special Topics in Geography; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Keith Yearwood	Seats (Total: 1)
	Contact instructor or department for details.	

GEOG416 **Conceptualizing and Modeling Human-Environmental Interactions**

GEOG416 Conceptualizing and Modeling Human-Environmental Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, STAT100, or MATH111; or permission of BSOS-Geography department. Corequisite: MATH130, MATH140, or MATH220. Credit only granted for: GEOG416 or GEOG498N. Formerly: GEOG498N. Develops skills to carry out research that integrates environmental and economic aspects of sustainability by introducing extensively used quantitative tools for analyzing human-environmental interactions in the field of ecological economics. These include, e.g., index number calculations and decomposition analysis, Environmental Kuznets Curve (EKC), environmental input-output analysis and life-cycle analysis, and multi-criteria decisions aid (MCDA). Students will need laptops to run models during class.

0101	Instructor: TBA Tu 9:30am - 12:00pm	Seats (Total: 50) LEF 1124

GEOG418 **Field and Laboratory Techniques in Environmental Science**

GEOG418 *(PermReq)* **Field and Laboratory Techniques in Environmental Science; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Ralph Dubayah Contact instructor or department for details.	Seats (Total: 20)

GEOG431 **Culture and Natural Resource Management**

GEOG431 Culture and Natural Resource Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG421 or GEOG431. Formerly: GEOG421. Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0101	Martha Geores MW 12:00pm - 1:15pm	Seats (Total: 25) TYD 1114

GEOG442 **Biogeography and Environmental Change**

GEOG442 Biogeography and Environmental Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG342; or students who have taken courses with comparable content may contact the department. Recommended: GEOG123. Credit only granted for: GEOG442, GEOG447, or GEOG484. Formerly: GEOG447. Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, climate and vegetation, global carbon cycle, biodiversity, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System.

0101	George Hurtt	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 2208

GEOG456 **The Social Geography of Metropolitan Areas in Global Perspective**

GEOG456 The Social Geography of Metropolitan Areas in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.
A socio-spatial approach to human interaction within the urban environments: ways people perceive, define, behave in, and structure world cities and metropolitan areas. Cultural and social differences define spatial patterns of social activities which further define distinctions in distribution and interaction of people and their social institutions.

0101	Mila Zlatic	Seats (Total: 40)
	MW 2:00pm - 3:15pm	LEF 2166

GEOG472 **Remote Sensing: Digital Processing and Analysis**

GEOG472 Remote Sensing: Digital Processing and Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG372 and GEOG306; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG472 or GEOG480. Formerly: GEOG480. Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed. Students must pay a $40.00 laboratory materials fee.

0101	Tatiana Loboda W 2:30pm - 4:30pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Tatiana Loboda W 2:30pm - 4:30pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab

GEOG475 **Computer Cartography**

GEOG475 Computer Cartography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG373 and GEOG306. Credit only granted for: GEOG471 or GEOG475. Formerly: GEOG471.* Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps. This course has a $40 lab fee.

0101	Naijun Zhou Tu 3:00pm - 5:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou Tu 3:00pm - 5:00pm F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG476 **Object-Oriented Computer Programming for GIS**

GEOG476 Object-Oriented Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG373 and GEOG376; or permission of BSOS-Geography department. And must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. Restriction: Must be in Geography program; or must be in GIS minor. Credit only granted for: GEOG498G or GEOG476. Formerly: GEOG498G. Expands on conceptual and practical aspects of programming for geographic applications. The main focus of this course is to provide students more advanced programming in object oriented programming languages (i.e. Python). In addition, students will develop a proficiency in applying these advanced programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

0101	Giovanni Baiocchi Tu 12:00pm - 2:00pm W 3:00pm - 5:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Giovanni Baiocchi Tu 12:00pm - 2:00pm Th 3:00pm - 5:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG498C **Topical Investigations; Investigating the Geographical Impacts of Urbanization in China**
Contact department for information to register for this course.

GEOG498E **Topical Investigations; Applied Spatial Econometrics**

GEOG498E Topical Investigations: Applied Spatial Econometrics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA Th 1:30pm - 4:00pm	Seats (Total: 25) LEF 1171

GEOG498H **Topical Investigations**

GEOG498H *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mila Zlatic Contact instructor or department for details.	Seats (Total: 10)

GEOG601 **The Nature and Practice of Science**

GEOG601 The Nature and Practice of Science; (3 credits) Grade Method: REG. *Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG601 or GEOG788N. Formerly: GEOG788N.* Introduces students to the nature and practice of science in physical and human geography, including practical methods for research productivity, professional, societal and ethical obligations of scientists, the philosophy of science, and the scientific literature. Students will prepare and critically evaluate research proposals.

0101	Klaus Hubacek	Seats (Total: 25)
	Th 11:00am - 1:30pm	LEF 1124

GEOG603 **Masters Research Tutorial**
Contact department for information to register for this course.

GEOG608 **Comprehensive Portfolio Assessment Summary**

GEOG608 Comprehensive Portfolio Assessment Summary; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG650 **MOBILE GIS**
Contact department for information to register for this course.

GEOG651 **Spatial Statistics**
Contact department for information to register for this course.

GEOG653 **Spatial Analysis**
Contact department for information to register for this course.

GEOG654 **GIS and Spatial Modeling**
Contact department for information to register for this course.

GEOG672 **Biophysics of Optical Remote Sensing**

GEOG672 Biophysics of Optical Remote Sensing; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG472; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department.
Biophysical principles, phenomena and processes underlying multispectral remote sensing in the optical portion of the EM spectrum. Includes computer-based exercises that explore the biophysical basis of land patterns and dynamics observed in remote sensing data.

0101	Shunlin Liang W 1:00pm - 3:30pm	Seats (Total: 15) LEF 1171

GEOG738E **Seminar in Human Geography; Modeling Coupled Human-Natural Systems**

GEOG738E Seminar in Human Geography: Modeling Coupled Human-Natural Systems; (3 credits) Grade Method: REG/AUD.

0101	Klaus Hubacek M 2:30pm - 5:00pm	Seats (Total: 15) LEF 1124

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788E **Selected Topics in Geography; Applied Spatial Econometrics**

GEOG788E Selected Topics in Geography: Applied Spatial Econometrics; (3 credits) Grade Method: REG/AUD/S-F.

0101	Instructor: TBA Th 1:30pm - 4:00pm	Seats (Total: 25) LEF 1171

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG792 **Teaching Assistant Seminar**

GEOG792 Teaching Assistant Seminar; (1 credit) Grade Method: S-F.
GEOG 792 - Guidance and instruction for incoming and future teaching assistants.

0101	Keith Yearwood	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

GEOG798 *(PermReq)* **Selected Topics in Geography: Seminar Series: Departmental Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Rachel Berndtson	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Fall 2014

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOL110).
Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 99) CSS 2324
0201	William McDonough TuTh 3:30pm - 4:45pm	Seats (Total: 99) CSS 2324

GEOL104 **Dinosaurs: A Natural History**

GEOL104 Dinosaurs: A Natural History; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosaurian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz MWF 10:00am - 10:50am	Seats (Total: 60) PLS 1130	

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 laboratory materials fee.

0101	Rose Smith, Alan Kaufman Th 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	Lab
0102	John Wilks, Alan Kaufman M 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	Lab
0103	Rose Smith, Alan Kaufman Tu 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	Lab
0104	Alan Kaufman, Benjamin Belzer Tu 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab
0106	Alan Kaufman, Elizabeth Lee W 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	Lab
0107	John Wilks, Alan Kaufman W 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab
0109	Alan Kaufman, Carolyn Plank Tu 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: GEOL100 or GEOL120.* A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) SHM 2102 PLS 1158	 Discussion
0102	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) SHM 2102 PLS 1158	 Discussion
0103	Tracey Centorbi TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) SHM 2102 PLS 1158	 Discussion
FC01	Tracey Centorbi TuTh 4:30pm - 5:45pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3203 PLS 1164	 Discussion
FC02	Tracey Centorbi TuTh 4:30pm - 5:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3203 PLS 1164	 Discussion

GEOL124 **Evolution of Life and Environment on Planet Earth**

GEOL124 *(PermReq)* **Evolution of Life and Environment on Planet Earth; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Alan Kaufman	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	SPH 1301 PLS 1164	Discussion
	Restricted to students in the new Carillon Once and Future Planet living learning community.		
0102	Alan Kaufman	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	SPH 1301 PLS 1164	Discussion
	Restricted to students in the new Carillon Once and Future Planet living learning community.		
0103	Alan Kaufman	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 5:00pm - 5:50pm	SPH 1301 PLS 1164	Discussion
	Restricted to students in the new Carillon Once and Future Planet living learning community.		

GEOL200 **Earth's Fury: Earthquakes, Volcanoes, and Tsunami**

GEOL200 Earth's Fury: Earthquakes, Volcanoes, and Tsunami; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Earthquakes, volcanic eruptions, and tsunami frequently remind us of the dangers associated with living on a constantly changing planet. How do people prepare for these rare but dramatic events? Student will study the science behind earthquakes and volcanoes, how it guides monitoring, forecasting, prevention, and response, and the cultural and ethical aspects of these events.

0101	Vedran Lekic TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1168	 Discussion
0102	Vedran Lekic TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1168	 Discussion
0103	Vedran Lekic TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1168	 Discussion
0104	Vedran Lekic TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1184	 Discussion
0105	Vedran Lekic TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1184	 Discussion
0106	Vedran Lekic TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1184	 Discussion

GEOL212 **Planetary Geology**

GEOL212 Planetary Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Credit only granted for: ASTR330 or GEOL212. An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	John Merck	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PLS 1115	

GEOL331 **Principles of Paleontology**

GEOL331 Principles of Paleontology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL102; or (BSCI207 or BSCI392); or permission of CMNS-Geology department. Restriction: Permission of instructor is required of non-degree seeking students.* A review of the theory, principles, and applications of Paleontology. A systematic overview of the morphology, evolution, and relationships of the major fossil-producing taxa.

0101	Thomas Holtz, John Merck	Seats (Total: 16)	
	MWF 1:00pm - 1:50pm	PLS 1172	
	Th 2:00pm - 5:00pm	GEO 2107	Lab

GEOL341 **Structural Geology**

GEOL341 Structural Geology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL120 or GEOL100; and GEOL102; and GEOL110. Or permission of CMNS-Geology department. Restriction: Permission of instructor is required of non-degree seeking students.* Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Instructor: TBA	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1172	
	M 10:00am - 1:00pm	GEO 2107	Lab

GEOL351 **Statistics for Geoscientists**

GEOL351 Statistics for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH115. Restriction: Non-degree-seeking students require the permission of the instructor.* Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans	Seats (Total: 10)
	MWF 10:00am - 10:50am	PLS 1115

GEOL375 **Introduction to the Blue Ocean**

GEOL375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Recommended: MATH141, PHYS161, or PHYS171. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC375. Credit only granted for: AOSC375, GEOL375 or METO375. Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, impact of global warming on the ocean and marine habitats including fisheries.

0101	Raghu Murtugudde	Seats (Total: 23)
	MW 10:00am - 11:30am	SPH 0307

GEOL393 **Geology Senior Thesis I: Proposal**

GEOL393 *(PermReq)* **Geology Senior Thesis I: Proposal; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 10) PLS 1111

GEOL393H **Geology Senior Thesis I: Proposal**

GEOL393H *(PermReq)* **Geology Senior Thesis I: Proposal; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards. For honors students only.

0101	Philip Candela W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 5) PLS 1111

GEOL394 **Geology Senior Thesis II: Research**

GEOL394 Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL394H **Geology Senior Thesis II: Research**

GEOL394H Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards. For Geology department honors students only.

Contact department for information to register for this course.

GEOL412 **Geology of the Terrestrial Planets**

GEOL412 Geology of the Terrestrial Planets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL341 or GEOL340. Credit only granted for: GEOL489A or GEOL412. Formerly: GEOL489A. Geological features of Mercury, Venus, Mars and the Moon with an emphasis on results from recent NASA planetary mission. Topics include interior structure, impact cratering, tectonic and volcanic history, surface conditions, climate change, and habitability.

0101	Laurent Montesi	Seats (Total: 10)	
	TuTh 12:30pm - 1:45pm	PLS 1164	

GEOL423 **Optical Mineralogy**

GEOL423 Optical Mineralogy; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120; and GEOL110; and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor. The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.

0101	Instructor: TBA	Seats (Total: 17)	
	MWF 9:00am - 9:50am	HBK 0109	
	W 10:00am - 1:00pm	GEO 2117	Lab

GEOL444 **Low Temperature Geochemistry**

GEOL444 *(PermReq)* **Low Temperature Geochemistry; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	Instructor: TBA	Seats (Total: 12)	
	TuTh 8:00am - 9:15am	PLS 1158	
	M 3:00pm - 6:00pm	CHM 1330	Lab

GEOL445 **High Temperature Geochemistry**

GEOL445 High Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor. Review of chemical principles and their use in understanding processes of Earth, and solar system formation and differentiation. Topics include nucleosynthesis and cosmochemical abundances of elements, bonding and element partitioning, equilibrium thermodynamics and phase stabilities, radiogenic isotopes and geochronology, kinetics, and diffusion.

0101	Roberta Rudnick	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PLS 1172	
	W 1:00pm - 4:00pm	GEO 2117	Lab

GEOL446 **Geophysics**

GEOL446 Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141, MATH141, and MATH140. Restriction: Non-degree-seeking students require the permission of the instructor. Introduction to solid earth geophysics, heat transfer, fluid flow, gravity, geomagnetism, rock and mineral physics, seismology, exploration geophysics. Basic knowledge of integral and differential calculus is required.

0101	Wenlu Zhu	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	PLS 1172

GEOL447 **Observational Geophysics**

GEOL447 Observational Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 and MATH141; and (PHYS141, PHYS161, or PHYS171). An introduction to practical signal processing, data analysis, and inverse theory in geophysics.

0101	Vedran Lekic	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PLS 1129

GEOL452 **Watershed and Wetland Hydrology**

GEOL452 Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher. Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL453 **Ecosystem Restoration**

GEOL453 Ecosystem Restoration; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH220 or MATH140; and (CHEM131 or CHEM135); and (CHEM132 or CHEM136); and (GEOL100, GEOL120, or ENST200). Restriction: Junior standing or higher; and permission of instructor is required of non-degree-seeking students. Credit only granted for: GEOL453 or GEOL489L. Formerly: GEOL489L.* Overview of ecosystem functions across biomes/geologic settings, and considerations and tradeoffs in ecosystem restoration strategies. Specific case studies and discussions will be aimed at understanding how structure can influence biophysical and biogeochemical processes supporting ecosystems, and then describes how rates, timing, and location of physical, chemical, and ecosystem processes can be altered by different restoration strategies to enhance ecosystem services. Also offered as MEES698E and GEOL789L.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	BPS 1232

GEOL456 **Engineering Geology**

GEOL456 Engineering Geology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS141 and MATH141; and (GEOL120 or GEOL100). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL456 or GEOL489Z. Formerly: GEOL489Z.* An overview of engineering geology with an emphasis on physical understanding of natural hazards and natural resources. General theories of stress and strain, failure criteria, frictional stability, fluid flow in porous media and poroelasticity are introduced. Quantitative approaches on earthquakes, landslides, land subsidence, and geotechnical aspects of oil/gas exploration are discussed.

0101	Wenlu Zhu	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1164

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL612 **Geology and Geophysics of the Terrestrial Planets**

GEOL612 Geology and Geophysics of the Terrestrial Planets; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of CMNS-Geology department; or (GEOL446 and MATH141). Recommended: Familiarity with MATLAB or MATHEMATICA. Credit only granted for: GEOL680 or GEOL789A. Formerly: GEOL789A. Geological features of Mercury, Venus, Mars and the Moon with an emphasis on results from recent NASA planetary mission. Class is organized to follow geological processes or observation throughout the inner solar system. Topics covered include interior structure, impact cratering, tectonic and volcanic history, surface conditions and climate change.

0101	Laurent Montesi	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	PLS 1164

GEOL614 **Thermodynamics of Geological Processes**

GEOL614 Thermodynamics of Geological Processes; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS142, GEOL322, and MATH141; and must have completed CHEM113. Restriction: Non-degree-seeking students require the permission of the instructor. Thermodynamics and its application to problems in mineralogy, petrology and geochemistry. Systematic development of the laws of thermodynamics and the principles of chemical equilibrium as applied to geological problems.

0101	Philip Candela	Seats (Total: 13)
	TuTh 9:30am - 10:45am	GEO 2117

GEOL647 **Observational Geophysics**

GEOL647 Observational Geophysics; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH140, MATH141, and PHYS141; and (PHYS161 or PHYS171). Credit only granted for: GEOL789O or GEOL647. Formerly: GEOL789O.* Introduces graduate students to instrument design and performance, signal processing, data analysis and inverse theory in geophysics.

0101	Vedran Lekic	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PLS 1129

GEOL651 **Statistics for Geoscientists**

GEOL651 Statistics for Geoscientists; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH115; and non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL789V or GEOL651. Formerly: GEOL789V.* Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans	Seats (Total: 10)
	MWF 10:00am - 10:50am	PLS 1115

GEOL652 **Advanced Watershed and Wetland Hydrology**

GEOL652 Advanced Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL452; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL656 **Engineering and Environmental Geology**

GEOL656 Engineering and Environmental Geology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL100, GEOL110, MATH141, and PHYS141; or permission of instructor. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL656 or GEOL789Z. Formerly: GEOL789Z. An overview of mechanical aspects of earthquakes as a result of fault instability. Quantitative approaches on soil and rock strength, instability on earthquakes, landslides, land subsidence, and geotechnical aspects of oil/gas exploration are discussed. Emphasis is on theoretical framework of mechanics of earthquake and faulting, earthquake source mechanisms, earthquake scaling relations, the seismic cycle etc.

0101	Wenlu Zhu TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1164

GEOL670 **Physical Oceanography**

GEOL670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC670. Credit only granted for: GEOL670 or AOSC670. Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the termocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton MW 4:30pm - 5:45pm	Seats (Total: 20) HJP 1213C
AM01	James Carton MW 4:30pm - 5:45pm	Seats (Total: 5) HJP 1213C

GEOL680 **Geodynamics**

GEOL680 Geodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of CMNS-Geology department; or (MATH241, MATH462, and GEOL446). Recommended: Familiarity with MATLAB or MATHEMATICA. Credit only granted for: GEOL680 or GEOL789J. Formerly: GEOL789J. The mechanics and dynamics of the Earth's interior and their applications to problems of Geophysics. This course considers several rheological descriptions of Earth materials (brittle, elastic, linear and nonlinear fluids, and viscoelastic) and emphasizes analytical solutions to simplified problem.

0101	Laurent Montesi	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	SYM 0209

GEOL789L **Recent Advances in Geology; Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration**

GEOL789L Recent Advances in Geology: Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Also offered as MEES698E and GEOL453. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	BPS 1232

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Fall 2014

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world. 11/16 Schedule section 0201 MWF11 in TYD 0101.

BL02	Brian Oxendine MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) JMZ 2122 ONLINE
BL03	Eileen Sellman MW 1:00pm - 1:50pm F 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) EDU 0114 EDU 2101 ONLINE

GERM149Z **Germanic Languages - Elementary II; Elementary Yiddish II**

GERM149Z Germanic Languages - Elementary II: Elementary Yiddish II; (3 credits) Grade Method: REG/P-F/AUD.

0101	Adi Mahalel TuTh 12:30pm - 1:45pm	Seats (Total: 11) SQH 1123

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

BL01	Ina Sammler MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) SQH 2122 ONLINE
BL02	Ina Sammler MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) SQH 2122 ONLINE

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of German. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Petra Volkhausen MWF 10:00am - 10:50am	Seats (Total: 25) KEY 0116

GERM269A **Special Topics in Study Abroad II; Elementary German I**
Contact department for information to register for this course.

GERM269B **Special Topics in Study Abroad II; Elementary German II**
Contact department for information to register for this course.

GERM282 **Germanic Mythology**

GERM282 Germanic Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An introduction to the religious beliefs of the pagan Germanic peoples. Comparison of Germanic myths with those of other Indo-European peoples. The conversion of the Germania to Christianity and the preservation of pagan beliefs in superstition and literature. Taught in English.

0101	Rose-Marie Oster	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 2206

GERM285 **German Film and Literature**
Contact department for information to register for this course.

GERM289K **Selected Topics in the Cultures of the Germanic Speaking Countries; Death and Desire in German Literature and Film**

GERM289K Selected Topics in the Cultures of the Germanic Speaking Countries: Death and Desire in German Literature and Film; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Julie Koser	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	JMZ 2122

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Christina Wall	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 3120

GERM302 **Conversation and Composition II: Current Topics in German Society**
Contact department for information to register for this course.

GERM319B **Selected Topics in Germanic Language Studies; German for Travelers**

GERM319B *(PermReq)* **Selected Topics in Germanic Language Studies: German for Travelers; (1 credit)** Grade Method: REG.

0101	Mary Scullen	Seats (Total: 15)
	Contact instructor or department for details.	

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**
Contact department for information to register for this course.

GERM322 **Highlights of German Literature II**

GERM322 Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German. Taught in German. Also offered as GERM322H.

0101	Julie Koser	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 3203

GERM322H **Highlights of German Literature II**

GERM322H Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German. Taught in German. Also offered as GERM322.

0101	Julie Koser	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 3203

GERM369C **Special Topics in Study Abroad III; German Composition I**
Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**

	Contact department for information to register for this course.
GERM369K	**Special Topics in Study Abroad III; Introduction to German Literature** **Contact department for information to register for this course.**
GERM369M	**Special Topics in Study Abroad III; Europeans and the Middle East: War & Peace, Culture and Exchange, 1798-Present** **Contact department for information to register for this course.**
GERM369P	**Special Topics in Study Abroad III; Pop Culture: European-American Trends** **Contact department for information to register for this course.**
GERM386	**Experiential Learning** **GERM386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.* **Contact department for information to register for this course.**
GERM389F	**Topics in Germanic Culture; Berlin: History, Memory, Literature** **Contact department for information to register for this course.**
GERM389G	**Topics in Germanic Culture; German American Cultural Contrasts** **Contact department for information to register for this course.**
GERM397H	**Honors Reading (Independent Study)** **GERM397H Honors Reading (Independent Study); (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Supervised reading to be taken normally only by students admitted into honors program. **Contact department for information to register for this course.**
GERM399F	**Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience** **Contact department for information to register for this course.**

GERM401 **Advanced Conversation: Germany within Europe**

GERM401 Advanced Conversation: Germany within Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department. Development of fluency in spoken German. Discussion of contemporary issues related to Germany in context of Europe.

0101	Elke Frederiksen	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 3203

GERM411 **German for International Business I**
Contact department for information to register for this course.

GERM439J **Selected Topics in German Literature; Introduction to the History of the German Language**
Contact department for information to register for this course.

GERM439Q **Selected Topics in German Literature; German-Jewish Authors and Works: Kafka, Seghers, Benjamin, Celan**

GERM439Q Selected Topics in German Literature: German-Jewish Authors and Works: Kafka, Seghers, Benjamin, Celan; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Beicken	Seats (Total: 20)
	Tu 4:30pm - 7:15pm	JMZ 0205

GERM475 **Old Norse**

GERM475 Old Norse; (3 credits) Grade Method: REG/P-F/AUD.
The language of the old Icelandic saga, the Eddas and Skaldic poetry. Reading of texts in the original; historical development of Old Norse and its role in the Germanic language family. No knowledge of German or a Scandinavian language required. Taught in English.

0101	Rose-Marie Oster	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3120

GERM499 **Directed Study**

GERM499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM689Q **Special Topics - M.A. Level; German-Jewish Authors and Works: Kafka, Seghers, Benjamin, Celan**

GERM689Q Special Topics - M.A. Level: German-Jewish Authors and Works: Kafka, Seghers, Benjamin, Celan; (3 credits) Grade Method: REG/AUD.

0101	Peter Beicken	Seats (Total: 20)
	Tu 4:30pm - 7:15pm	JMZ 0205

GERM689T **Special Topics - M.A. Level; Transnational Theory and Criticism**

GERM689T Special Topics - M.A. Level: Transnational Theory and Criticism; (3 credits) Grade Method: REG/AUD.

0101	Hester Baer, Ryan Long	Seats (Total: 10)
	W 4:30pm - 7:00pm	JMZ 2123

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Fall 2014

GREK101 **Elementary Ancient Greek I**

GREK101 Elementary Ancient Greek I; (4 credits) Grade Method: REG/P-F/AUD. *Restriction: A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.* Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C. Classical and New Testament Greek.

0101	Francisco Barrenechea	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	KEY 0120
	M 1:00pm - 1:50pm	KEY 0120

GREK111 **Elementary Modern Greek I**

GREK111 Elementary Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must not be a native speaker of Greek. Credit only granted for: FOLA108G or GREK111. Formerly: FOLA108G.* An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	WDS 1130

GREK201 **Intermediate Ancient Greek**

GREK201 Intermediate Ancient Greek; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK102; or students who have taken courses with comparable content may contact the department.* Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Francisco Barrenechea	Seats (Total: 15)
	MWF 10:00am - 10:50am	HBK 0123
	M 9:00am - 9:50am	HBK 0123

GREK211 **Intermediate Modern Greek I**

GREK211 Intermediate Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK112; or permission of instructor. Credit only granted for: FOLA118G or GREK211. Formerly: FOLA118G.* A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MWF 10:00am - 10:50am	MMH 1218

GREK398 **Advanced Modern Greek**

GREK398 Advanced Modern Greek; (3 credits) Grade Method: REG/P-F/AUD.

0101	Polyvia Parara MWF 11:00am - 11:50am	Seats (Total: 15) MMH 0108

GREK411 **Modern Greek Literature and History**

GREK411 Modern Greek Literature and History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Students must have earned a grade of C- or better in a 300-level Modern Greek course. Restriction: Permission of instructor. Credit only granted for: GREK311 or GREK411. Formerly: GREK311. Students will study historical and political events in Greece during the 19th and 20th centuries through the viewpoint of the man of letters. Poetry, prose, plays, and essays reflect national emancipation, social reconstruction, and political struggles. Readings and discussion are in Modern Greek.

0101	Polyvia Parara M 2:00pm - 4:30pm	Seats (Total: 25) MMH 1304

GREK488 **Greek Readings**

GREK488 Greek Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Francisco Barrenechea W 5:00pm - 7:40pm	Seats (Total: 10) MMH 1218

GREK488B **Greek Readings; Intermediate Ancient Greek**

GREK488B Greek Readings: Intermediate Ancient Greek; (3 credits) Grade Method: REG/P-F/AUD.

0101	Francisco Barrenechea MWF 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 15) HBK 0123 HBK 0123

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK606 **Greek Historians**

GREK606 Greek Historians; (3 credits) Grade Method: REG/AUD.
Survey of the Greek historians, concentrating on Herodotus and Thucydides, contrasting the two historians in the areas of subject, methods of research, composition, and achievement.

0101	Francisco Barrenechea	Seats (Total: 10)
	W 5:00pm - 7:40pm	MMH 1218

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Fall 2014

GVPT100 **Scope and Methods for Political Science Research**

GVPT100 Scope and Methods for Political Science Research; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
An introduction to empirical research in political science.

0101	Johanna Birnir	Seats (Total: 25)	
	MW 9:00am - 9:50am	TYD 0130	
	F 9:00am - 9:50am	TYD 2110	Discussion
0102	Johanna Birnir	Seats (Total: 25)	
	MW 9:00am - 9:50am	TYD 0130	
	F 10:00am - 10:50am	TYD 0111	Discussion

0103	Johanna Birnir MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1114	Discussion
0104	Johanna Birnir MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0105	Johanna Birnir MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0106	Johanna Birnir MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0201	Johanna Birnir MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 1108	Discussion
0202	Johanna Birnir MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 TYD 1108	Discussion
0203	Johanna Birnir MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 2108	Discussion
FC01	Kenneth Matis TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) TYD 0102	

GVPT105S Introduction to Political Ethics

GVPT105S Introduction to Political Ethics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must be in the College Park Scholars program; and must be in International Studies program or Public Leadership program. An examination of major theories of political life and politics as they pertain to international politics, conflict, and culture. Emphasis will be given to theories of ethics and morality that pertain to international studies, such as human rights.

0101	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 ARM 0101	Discussion
0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 ARM 0101	Discussion
0103	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0117 ARM 0118	Discussion
0104	Instructor: TBA MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0117 ARM 0118	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
A comprehensive study of national government in the United States.

0101	Katie Kruger MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion

0103	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0104	Katie Kruger MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1118	Discussion
0105	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0106	Katie Kruger MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2102	Discussion
0107	Instructor: TBA MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 KEY 0126	Discussion
0108	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ARC 1105	Discussion
0109	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
FC01	Katie Kruger MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 40) ASY 2309	

GVPT200 International Political Relations

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: GVPT100.* A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 MMH 0108	Discussion
0102	Mark Shirk MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 TYD 2102	Discussion
0103	Mark Shirk MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 TYD 0102	Discussion
0104	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 BPS 1238	Discussion
0105	Mark Shirk MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 TYD 2110	Discussion
0106	Mark Shirk MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 ASY 3211	Discussion
0107	Mark Shirk MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 0102	Discussion
0108	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 2106	Discussion

0109	Mark Shirk MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 LEF 1220	 Discussion
FC01	Ping-Kuei Chen TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) TYD 1101	

GVPT205S **Special Topics in International Ethics, Conflict, and Immigration**

GVPT205S Special Topics in International Ethics, Conflict, and Immigration; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: GVPT105. Recommended: GVPT241. Restriction: Must be in College Park Scholars program; and must be in GVPT international Studies program. An examination of issues in international ethics, conflict generated at the international level, and problems in immigration policy and law, including theories of rights and immigration, and ideological sources of international violence.

0101	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TYD 2109 TYD 1118	 Discussion
0102	Instructor: TBA Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) TYD 2109 ARM 0103	 Discussion
0103	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) TYD 2109 KEY 0120	 Discussion
0104	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TYD 2109 TYD 2102	 Discussion

GVPT217 **Mock Trial I: Introduction to Trial Advocacy**

GVPT217 *(PermReq)* **Mock Trial I: Introduction to Trial Advocacy; (3 credits)**
Grade Method: REG/P-F/AUD.
Credit only granted for: GVPT217 or GVPT319A. Formerly: GVPT319A. Introduction to the basic fundamentals of trial advocacy including opening statement, closing argument, direct and cross examination, and all other facets of trial advocacy through a series of lectures and practice trials. Students may have an opportunity to compete in intercollegiate mock trial competition based on their skill level and demonstrated understanding of trial advocacy principles.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 40) TYD 2102	

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	Piotr Swistak Th 2:00pm - 4:45pm	Seats (Total: 30) TYD 0101	

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Government & Politics program. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Charles Alford TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 EDU 0202	 Discussion
0102	Charles Alford TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 EDU 0114	 Discussion

0103	Charles Alford TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 KNI 1103	Discussion
0104	Charles Alford TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 PLS 1168	Discussion
0105	Instructor: TBA TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0130 ASY 3221	Discussion
0106	Instructor: TBA TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0130 TYD 0111	Discussion
0107	Instructor: TBA TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0130 TLF 1103	Discussion
0108	Instructor: TBA TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0130 PLS 1158	Discussion

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**
Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**
Contact department for information to register for this course.

GVPT258D **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**
Contact department for information to register for this course.

GVPT258E **Introduction to Political Science Topics in Study Abroad; Government and Politics in Spain**
Contact department for information to register for this course.

GVPT258F **Introduction to Political Science Topics in Study Abroad; European Union Law and Economic Integration**
Contact department for information to register for this course.

GVPT258I **Introduction to Political Science Topics in Study Abroad; Government and Politics in Italy and Europe**

Contact department for information to register for this course.

GVPT258N **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**

Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**

Contact department for information to register for this course.

GVPT258R **Introduction to Political Science Topics in Study Abroad; Peace and Conflict Honors Seminar II: Regional Conflicts**

Contact department for information to register for this course.

GVPT258T **Introduction to Political Science Topics in Study Abroad; Terrorism and Political Violence**

Contact department for information to register for this course.

GVPT260 **State and Local Government**

GVPT260 State and Local Government; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the functioning and problems of state and local government in the United States, with illustrations from Maryland jurisdictions.

0101	Michael Parrott	Seats (Total: 40)
	TuTh 9:30am - 10:45am	ARC 1101

GVPT280 **Comparative Politics and Governments**

GVPT280 Comparative Politics and Governments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

0101	Margaret Pearson	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	TYD 2109

GVPT282 **Politics and the Developing World**

GVPT282 Politics and the Developing World; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to developing countries of Africa, the Middle East, Asia, and Latin America.

0101	John McCauley MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 ASY 3219	Discussion
0102	John McCauley MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EDU 1121	Discussion
0103	John McCauley MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EDU 0114	Discussion
0104	John McCauley MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 HBK 0105	Discussion
0105	John McCauley MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 BPS 1228	Discussion
0106	John McCauley MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EDU 0206	Discussion

GVPT289B **Special Topics in Government and Politics; Globalization**
Contact department for information to register for this course.

GVPT289J **Special Topics in Government and Politics; Uncertain Partners: US & China in a Chaning World**

GVPT289J Special Topics in Government and Politics: Uncertain Partners: US & China in a Chaning World; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Instructor: TBA MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TYD 0111	Discussion
0102	Scott Kastner MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 EDU 0202	Discussion
0103	Scott Kastner MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 TYD 1132	Discussion
0104	Scott Kastner MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TYD 1118	Discussion
0105	Instructor: TBA MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 SYM 0215	Discussion
0106	Instructor: TBA MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 MMH 0108	Discussion

GVPT289X **Special Topics in Government and Politics; Introduction to European Union**
Contact department for information to register for this course.

GVPT306 **Global Environmental Politics**

GVPT306 Global Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

0101	Mark Shirk MW 4:00pm - 5:15pm	Seats (Total: 30) HBK 0105	

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT319L **Topics in Social Advocacy; Legal Advocacy**

GVPT319L Topics in Social Advocacy: Legal Advocacy; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Brent Newton W 6:30pm - 9:00pm	Seats (Total: 20) BLD3 4206	
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.		

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Michael Spivey MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 2108	Discussion
0102	Michael Spivey MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 1132	Discussion
0103	Michael Spivey MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 1114	Discussion
0104	Michael Spivey MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SQH 2122	Discussion
0105	Michael Spivey MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 2108	Discussion
0106	Michael Spivey MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 1118	Discussion

SG91	Samantha Davis W 3:30pm - 6:00pm	Seats (Total: 40) BLD3 2226	
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.		

GVPT354 **International Development and Conflict Management**

GVPT354 *(PermReq)* **International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and permission of BSOS-Government & Politics department; and sophomore standing or higher. Additional information: Students are expected to take the course during the Fall semester after admission to the program. Serves as the gateway course for the Minor in International Development and Conflict Management. Provides an introductory foundation in the theory and practice of international development and conflict management. Introduces the structures, key players, intersections, and main trends in the evolution of the fields. Explores causal factors that drive economic growth, poverty, inequality, and conflict, as well as the resources, methods, and tools available to track and address these issues.

0101	Stacy Kosko M 2:00pm - 3:40pm W 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EDU 0206	 Discussion
0102	Stacy Kosko M 2:00pm - 3:40pm W 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EDU 0206	 Discussion
0103	Stacy Kosko M 2:00pm - 3:40pm W 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0220 EDU 0206	 Discussion

GVPT356 **Capstone in International Development**

GVPT356 *(PermReq)* **Capstone in International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department. Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international development and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

0101	Stacy Kosko	Seats (Total: 40)
	Tu 3:30pm - 6:15pm	TYD 1118

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**
Contact department for information to register for this course.

GVPT358D **Study Abroad Seminar in Political Science; Politics and Economy of Spain**
Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**
Contact department for information to register for this course.

GVPT358K **Study Abroad Seminar in Political Science; U.S. and Europe since 1945**
Contact department for information to register for this course.

GVPT358P **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**
Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**
Contact department for information to register for this course.

GVPT368C **Special Topics in Government and Politics; Asian American Politics**

GVPT368C Special Topics in Government and Politics: Asian American Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498T or AMST498J. Credit granted for AAST498T, AMST498J, or GVPT368C. Students will gain a greater understanging of 1)the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3) help students to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of Americas multicultural political landscape.

0101	Janelle Wong MW 3:30pm - 4:45pm	Seats (Total: 40) LEF 2166

GVPT368F **Special Topics in Government and Politics; Law, National Security, and Terror: Israeli Perspectives**

GVPT368F Special Topics in Government and Politics: Law, National Security, and Terror: Israeli Perspectives; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSST338J and ISRL448J. Credit will be granted for BSST 338J, GVPT368F or ISRL448J. Since its establishment in 1948, Israel has gained considerable experience in dealing with the complex relationship between law and the fight against terrorism. This seminar will present Israeli perspectives on dilemmas that the Western world as a whole is concerned with, arising from the need to find a balance between national security, democracy, and human rights.

0101	Instructor: TBA Th 3:00pm - 5:30pm	Seats (Total: 30) LEF 2166

GVPT368G **Special Topics in Government and Politics; Theories of Immigration: Israel as a Case Study**

GVPT368G Special Topics in Government and Politics: Theories of Immigration: Israel as a Case Study; (3 credits) Grade Method: REG/P-F/AUD.

0101	Pnina Peri MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1121

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101	Gilbert Nunez	Seats (Total: 40)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101	Gilbert Nunez	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 1132

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Gilbert Nunez M 6:30pm - 9:15pm	Seats (Total: 40) TYD 2102

GVPT388M **Topical Investigations; Mock Trial**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 17) TYD 2108

GVPT388P **Topical Investigations; Maryland Internship**

GVPT388P *(PermReq)* **Topical Investigations: Maryland Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Must have departmental permission to register; to apply, vist CAPC. This competitive program places highly qualified undergraduate students in internships in Maryland state and local government. Internship placements could include the offices of the Governor and Lieutenant Governor, members of the General Assembly, state and local agencies, and courts. Participants attend a seminar in addition to their internship duties.

0101	Raymond Williams Tu 6:30pm - 9:15pm	Seats (Total: 30) TYD 2108

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**
Contact department for information to register for this course.

GVPT399I **Seminar in Government and Politics; Globilization**
Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Modern British Politics**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; Political Movements in the European Union**
Contact department for information to register for this course.

GVPT399R **Seminar in Government and Politics; Modern American Government**
Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Political Movements in the European Union**
Contact department for information to register for this course.

GVPT406 **International Organizations**
Contact department for information to register for this course.

GVPT409F **Seminar in International Relations and World Politics; Foreign Policy Decision Making**

GVPT409F Seminar in International Relations and World Politics: Foreign Policy Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Must be in the Government and Politics program.

0101	William Reed	Seats (Total: 75)
	Tu 3:30pm - 6:15pm	SQH 1120

GVPT409I **Seminar in International Relations and World Politics; Theories of Conflict**

GVPT409I Seminar in International Relations and World Politics: Theories of Conflict; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Kathleen Cunningham	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1118

GVPT409M **Seminar in International Relations and World Politics; Nationalism and Ethnic Conflict**

GVPT409M *(PermReq)* **Seminar in International Relations and World Politics: Nationalism and Ethnic Conflict; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics Honors program.

0101	Kathleen Cunningham	Seats (Total: 17)
	TuTh 9:30am - 10:45am	TYD 1136

GVPT409V **Seminar in International Relations and World Politics; Game Theory And International Security**
Contact department for information to register for this course.

GVPT419B **Seminar in Public Policy; Advanced Topics in Environmental Policy analysis**

GVPT419B Seminar in Public Policy: Advanced Topics in Environmental Policy analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT273. Restriction: Must be in the Government and Politics or Environmental Science and Policy program.

0101	Isabella Alcaniz	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	SQH 1117

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel	Seats (Total: 30)
	W 2:00pm - 4:45pm	TYD 1118

GVPT429A **Problems in Political Behavior; Geographic Information System for Social Science Research**

GVPT429A Problems in Political Behavior: Geographic Information System for Social Science Research; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	James Gimpel	Seats (Total: 20)
	TuTh 12:30pm - 2:00pm	PLS 1129

GVPT431 **Introduction to Constitutional Law**

GVPT431 Introduction to Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 TYD 1101	 Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TWS 0234	 Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 WDS 0104	 Discussion

GVPT441 **History of Political Theory: Ancient and Medieval**
Contact department for information to register for this course.

GVPT442 **History of Political Theory--Medieval to Recent**

GVPT442 History of Political Theory--Medieval to Recent; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in Government & Politics program. A survey of the principal theories set forth in the works of writers from Machiavelli to Nietzsche.

0101	Ian Ward M 2:00pm - 4:45pm	Seats (Total: 30) TYD 0102

GVPT443 **Contemporary Political Theory**
Contact department for information to register for this course.

GVPT449J **Seminar in Political Philosophy; Political Theology**

GVPT449J *(PermReq)* **Seminar in Political Philosophy: Political Theology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in the Government and Politics Honors program.

0101	Ian Ward	Seats (Total: 20)
	W 2:00pm - 4:45pm	TYD 0102

GVPT454 **Seminar in the International Relations of China**

GVPT454 Seminar in the International Relations of China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher. Explores the foreign relations behavior of the People's Republic of China, with focus on the contemporary era.

0101	Margaret Pearson	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 0102

GVPT456 **The Politics of Terrorism**

GVPT456 The Politics of Terrorism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restriction: Must be in Government & Politics program. Credit only granted for: GVPT456 or GVPT459T. Formerly: GVPT459T. Examination of the definition, causes and organization of terrorist activity, along with key domestic and international counter- and anti-terrorism responses. Special emphasis on challanges and opportunities to the scientific study of terrorism.

0101	Kanisha Bond	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 1114

GVPT457 **American Foreign Relations**
Contact department for information to register for this course.

GVPT458G **Special Topics in Study Abroad IV; Czech Society: Transition from Communism I**
Contact department for information to register for this course.

GVPT458K **Special Topics in Study Abroad IV; Themes and Issues in Transatlantic Relations**
Contact department for information to register for this course.

GVPT458R **Special Topics in Study Abroad IV; Terrorism and Counterterrorism in International Politics**
Contact department for information to register for this course.

GVPT458Y **Special Topics in Study Abroad IV; Environmental Politics and Policy in Europe**
Contact department for information to register for this course.

GVPT459B **Seminar in Comparative Politics; Comparative Political Institutions**

GVPT459B Seminar in Comparative Politics: Comparative Political Institutions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT280. Restriction: Must be in the Government and Politics program.

0101	Ernesto Calvo	Seats (Total: 14)
	TuTh 11:00am - 12:15pm	TYD 1136

GVPT459C **Seminar in Comparative Politics; East European Politics: From Communism to Democracy**

GVPT459C Seminar in Comparative Politics: East European Politics: From Communism to Democracy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. Restriction: Must be in the Governmentand Politics program.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1108

GVPT459I **Seminar in Comparative Politics; Thinking Like a Citizen: Civic Ideals and Civic Practices**

GVPT459I Seminar in Comparative Politics: Thinking Like a Citizen: Civic Ideals and Civic Practices; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. Restriction: Must be in the Governmentand Politics program. All other majors will be placed on the holdfile. This course is an introduction to the emerging field of civic studies. It takes as a starting point the idea of citizens as co-creators of their many worlds, their various communities, their countries, and of course the literal world. We will look into what knowledge and what ways of thinking are most helpful to such co-creators. Topics will include: civic work in the small (human interaction, politics, power resources), finding and building shared ground, impediments to civic action (problem of a collective action, limited human brain, the power of the status quo), and venues of civic action (including communities, social movements, countries, and the world).

0101	Karol Soltan TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 0111	

GVPT459R **Seminar in Comparative Politics; The Rise and Fall of Communism**

GVPT459R Seminar in Comparative Politics: The Rise and Fall of Communism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. Restriction: Must be in the Government and Politics program.

0101	Vladimir Tismaneanu Th 2:00pm - 4:45pm	Seats (Total: 30) TYD 0102	

GVPT473 **The U.S. Congress**

GVPT473 The U.S. Congress; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members.

0101	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 KEY 0102	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1101 COL 0100	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 1101 EDU 1121	Discussion

GVPT474H **Political Parties**

GVPT474H *(PermReq)* **Political Parties; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program. A descriptive and analytical examination of American political parties, nominations, elections, and political leadership. Restriction: Must be in the Government and Politics Honors Program.

0101	David Karol MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 1107	

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion.

0101	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) TYD 2111 EDU 3233	 Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 21) TYD 2111 KNI 1105	 Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 21) TYD 2111 EDU 1121	 Discussion

GVPT479C **Seminar in American Politics; Public Opinion and Citizen Politics**

GVPT479C Seminar in American Politics: Public Opinion and Citizen Politics; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Brian McKenzie M 2:00pm - 4:30pm	Seats (Total: 30) TYD 1118

GVPT479G **Seminar in American Politics; Interest Groups and Social Movements**

GVPT479G Seminar in American Politics: Interest Groups and Social Movements; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Kristina Miler M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0115

GVPT479R **Seminar in American Politics; Religion and US Politics**

GVPT479R Seminar in American Politics: Religion and US Politics; (3 credits)
Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Brian McKenzie M 4:45pm - 7:15pm	Seats (Total: 30) TYD 0101

GVPT482 **Government and Politics of Latin America**

GVPT482 Government and Politics of Latin America; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program. A comparative study of the governmental systems and political processes of the Latin American countries.

0101	Ernesto Calvo TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0101

GVPT484 **Government and Politics of Africa**

GVPT484 Government and Politics of Africa; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT282 or GVPT280. Restriction: Must be in a major within BSOS-Government & Politics department. A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries.

0101	John McCauley MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 1102

GVPT485 **Government and Politics of the Middle East**
Contact department for information to register for this course.

GVPT622 **Quantitative Methods For Political Science**

GVPT622 Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.

Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs. Course will meet in the LeFrak OASIS lab. For GVPT majors only.

0101	David Cunningham Th 11:00am - 1:45pm W 3:15pm - 5:15pm	Seats (Total: 12) LEF LAB3 LEF LAB1	Discussion
0201	David Cunningham Th 3:30pm - 6:15pm W 3:15pm - 5:15pm	Seats (Total: 12) LEF LAB3 LEF LAB1	Discussion

GVPT700 **Scope and Method of Political Science**

GVPT700 Scope and Method of Political Science; (3 credits) Grade Method: REG/AUD.

Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed. For GVPT majors only.

0101	Mark Lichbach Tu 9:30am - 12:15pm	Seats (Total: 12) TYD 1111

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

GVPT708A Seminar in International Relations Theory: International Relations Theory; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced Maximum Likelihood Estimation**

GVPT729A Special Topics in Quantitative Political Analysis: Advanced Maximum Likelihood Estimation; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer	Seats (Total: 12)	
	Tu 12:30pm - 3:15pm	LEF LAB5	

GVPT729D **Special Topics in Quantitative Political Analysis; GIS Analysis for Social Science Research**

GVPT729D Special Topics in Quantitative Political Analysis: GIS Analysis for Social Science Research; (3 credits) Grade Method: REG/AUD.

0101	James Gimpel	Seats (Total: 10)	
	TuTh 12:30pm - 2:00pm	PLS 1129	
	F 12:00pm - 1:15pm	PLS 1129	Lab

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG. *Restriction: Must have graduate standing.* Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	Charles Alford	Seats (Total: 12)
	Tu 6:30pm - 9:15pm	TYD 1111

GVPT761 **International Political Economy**

GVPT761 International Political Economy; (3 credits) Grade Method: REG/AUD. *Recommended: GVPT708.* Major issues in international political economy including such matters as the monetary system, trade, debt, and development.

0101	Virginia Haufler	Seats (Total: 12)
	Th 3:30pm - 6:15pm	TYD 1111

GVPT770 **Seminar in American Political Institutions**

GVPT770 Seminar in American Political Institutions; (3 credits) Grade Method: REG/AUD.
This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Kristina Miler	Seats (Total: 12)
	Tu 3:30pm - 6:15pm	TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808B **Selected Topics in Functional Problems in International Relations; Conflict and World Politics**

GVPT808B Selected Topics in Functional Problems in International Relations: Conflict and World Politics; (3 credits) Grade Method: REG/AUD.

0101	William Reed	Seats (Total: 12)
	W 12:30pm - 3:15pm	TYD 1136

GVPT834 **Game Theory**

GVPT834 Game Theory; (3 credits) Grade Method: REG/P-F/AUD/S-F.
Introduction to game theory with applications to social sciences. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.

0101	Piotr Swistak	Seats (Total: 12)
	Tu 3:30pm - 6:15pm	TYD 1111

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT878E **Problems in American Government and Politics; Political Polarization**

GVPT878E Problems in American Government and Politics: Political Polarization; (3 credits) Grade Method: REG/AUD.

0101	Eric Uslaner	Seats (Total: 12)
	M 12:30pm - 3:15pm	TYD 1136

GVPT888F **Selected Topics in Comparative Governmental Institutions; Social Movements**

GVPT888F Selected Topics in Comparative Governmental Institutions: Social Movements; (3 credits) Grade Method: REG/AUD.

0101	Kanisha Bond	Seats (Total: 12)
	M 3:30pm - 6:15pm	TYD 1111

GVPT888P **Selected Topics in Comparative Governmental Institutions; Political Institutions**

GVPT888P Selected Topics in Comparative Governmental Institutions: Political Institutions; (3 credits) Grade Method: REG/AUD.

0101	Ernesto Calvo	Seats (Total: 12)
	Th 12:30pm - 3:15pm	TYD 1136

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HACS ACES-Cybersecurity Fall 2014

HACS100 **Foundations in Cybersecurity I**

HACS100 Foundations in Cybersecurity I; (2 credits) Grade Method: REG. *Restriction: Must be a first-year student in the ACES Honors program.* Interdisciplinary foundational course of the ACES program. Through lectures, lab activities, and discussions, students will learn and practice various aspects of cybersecurity. Weekly technical lectures will introduce students to the operating system UNIX. Students will partner with the Division of Information Technology in a project to engage the University of Maryland community in a cyber- hygiene and cyber-ethics campaign based on the concepts learned in class.

0101	Instructor: TBA TuTh 2:00pm - 2:50pm	Seats (Total: 25) PFH 1111
0201	Instructor: TBA TuTh 3:00pm - 3:50pm	Seats (Total: 25) PFH 1111
0301	Instructor: TBA TuTh 4:00pm - 4:50pm	Seats (Total: 25) PFH 1111

HACS208C **Seminar in Cybersecurity; Human Actors and Cyber Attacks**

HACS208C Seminar in Cybersecurity: Human Actors and Cyber Attacks; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Must be a student in the ACES Honors program.

0101	Katherine Izsak W 2:00pm - 4:45pm	Seats (Total: 20) PFH 1105

HACS208E **Seminar in Cybersecurity; Introduction to Reverse Engineering**

HACS208E Seminar in Cybersecurity: Introduction to Reverse Engineering; (3 credits) Grade Method: REG.

0101	Instructor: TBA Tu 5:00pm - 7:45pm	Seats (Total: 20) PFH 0103

HACS208P **Seminar in Cybersecurity; Beyond Technology, the Policy Implications of Cyberspace**

HACS208P Seminar in Cybersecurity: Beyond Technology, the Policy Implications of Cyberspace; (3 credits) Grade Method: REG.

0101	William Nolte TuTh 12:30pm - 1:45pm	Seats (Total: 20) PFH 1111

HACS279 **Undergraduate Research in Cybersecurity**

HACS279 *(PermReq)* **Undergraduate Research in Cybersecurity; (1-3 credits)** Grade Method: REG.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 6)
0201	Dana Dachman-Soled Contact instructor or department for details.	Seats (Total: 5)
0301	James Purtilo Contact instructor or department for details.	Seats (Total: 5)

HACS289 **Undergraduate Research in Cybersecurity**

HACS289 *(PermReq)* **Undergraduate Research in Cybersecurity; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Permission required.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 5)
0201	Dana Dachman-Soled Contact instructor or department for details.	Seats (Total: 5)
0301	Tudor Dumitras Contact instructor or department for details.	Seats (Total: 5)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

HACS298 **External Experience Reflection**

HACS298 *(PermReq)* **External Experience Reflection; (3 credits)** Grade Method: REG.
Restriction: Must be a student in Honors College ACES I program.

0101	Jandelyn Plane, Michel Cukier M 4:00pm - 6:50pm	Seats (Total: 20) ANA 0120	

HACS299 **Internal Experience Reflection**

HACS299 *(PermReq)* **Internal Experience Reflection; (3 credits)** Grade Method: REG.

0101	Jandelyn Plane, Michel Cukier M 4:00pm - 6:50pm *Restriction: Must be a student in Honor College ACES I program.*	Seats (Total: 20) ANA 0120	

HDCC Digital Cultures and Creativity Fall 2014

HDCC105 **Introduction to Digital Cultures and Creativity I**

HDCC105 Introduction to Digital Cultures and Creativity I; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program. History, concepts, and technologies of creative digital expression, coupled with an introduction to development for particular platforms and devices. Course meets in Prince Frederick Hall rooms 1105 and 1111.

0101	Instructor: TBA Tu 4:00pm - 5:15pm Contact instructor or department for details. W 4:00pm - 4:50pm *Discussion meets in Prince Frederick Hall room 1111.*	Seats (Total: 15) PFR 1105 PFR 1111	Discussion
0102	Jarah Moesch, Krista Caballero Tu 4:00pm - 5:15pm Contact instructor or department for details. W 5:00pm - 5:50pm *Discussion meets in Prince Frederick Hall room 1111.*	Seats (Total: 15) PFR 1105 PFR 1111	Discussion

0103	Jarah Moesch, Krista Caballero Tu 4:00pm - 5:15pm Contact instructor or department for details. Th 4:00pm - 4:50pm *Discussion meets in Prince Frederick Hall room 1105.*	Seats (Total: 15) PFR 1105 PFR 1105	Discussion
0104	Jarah Moesch, Krista Caballero Tu 4:00pm - 5:15pm Contact instructor or department for details. Th 5:00pm - 5:50pm *Discussion meet ins in Prince Frederick Hall room 1105.*	Seats (Total: 15) PFR 1105 PFR 1105	Discussion

HDCC208A **Seminar in Digital Cultures and Creativity; Creative Futures**

HDCC208A Seminar in Digital Cultures and Creativity: Creative Futures; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HDCC106. Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

0101	Hasan Elahi M 4:00pm - 6:30pm	Seats (Total: 16) PFH 1111

HDCC208F **Seminar in Digital Cultures and Creativity; Designing Technology for and with Humans**

HDCC208F Seminar in Digital Cultures and Creativity: Designing Technology for and with Humans; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HDCC106. Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

0101	Evan Golub MW 4:00pm - 5:15pm	Seats (Total: 21) AVW 3258

HDCC208G **Seminar in Digital Cultures and Creativity; Expanded Cinema**

HDCC208G Seminar in Digital Cultures and Creativity: Expanded Cinema; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HDCC106. Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

0101	Krista Caballero	Seats (Total: 21)
	W 4:00pm - 6:30pm	ANA 0120

HDCC208I **Seminar in Digital Cultures and Creativity; The Middle Ages as Case Study**

HDCC208I Seminar in Digital Cultures and Creativity: The Middle Ages as Case Study; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HDCC106. Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

0101	Michelle Butler	Seats (Total: 21)
	TuTh 9:30am - 10:45am	PFR 1111

HDCC379 **Digital Cultures and Creativity Independent Study**

HDCC379 *(PermReq)* **Digital Cultures and Creativity Independent Study; (3 credits)** Grade Method: REG.
Prequisites: HDCC 208 and HDCC 209.

0101	Hasan Elahi	Seats (Total: 5)
	Contact instructor or department for details.	

HEBR Hebrew Fall 2014

HEBR111 **Elementary Hebrew I**

HEBR111 Elementary Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR101; and must not have completed HEBR102. Credit only granted for: (HEBR101 and HEBR102) or HEBR111.* Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability.

0101	Aharona Gazit-Rosenthal MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2117 JMZ 1224

HEBR112 **Elementary Hebrew II**
Contact department for information to register for this course.

HEBR211 **Intermediate Hebrew I**

HEBR211 Intermediate Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR112; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR201; and must not have completed HEBR202. Credit only granted for: (HEBR201 and HEBR202) or HEBR211. Study of linguistic structure, further development of audio-lingual, reading, writing, and speaking skills. Reading of texts and newspapers designed to give some knowledge of Hebrew life, thought and culture.

0101	Aharona Gazit-Rosenthal MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2117 JMZ 0205

HEBR212 **Intermediate Hebrew II**
Contact department for information to register for this course.

HEBR313 **Conversation and Composition I**

HEBR313 Conversation and Composition I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: HEBR212; or students who have taken courses with comparable content may contact the department. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Avital Feuer Class time/details on ELMs	Seats (Total: 15) ONLINE
0201	Aharona Gazit-Rosenthal MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 1117

HEBR369A **Special Topics in Study Abroad III; Hebrew Lower Advanced**
Contact department for information to register for this course.

HEBR369C **Special Topics in Study Abroad III; Hebrew Upper Advanced**
Contact department for information to register for this course.

HEBR369D **Special Topics in Study Abroad III; Hebrew Upper Intermediate**
Contact department for information to register for this course.

HEBR386 **Experiential Learning**

HEBR386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher. Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR498A **Special Topics in Hebrew; Readings in S. Y. Agnon, Nobel Prize Winner for Literature**

HEBR498A Special Topics in Hebrew: Readings in S. Y. Agnon, Nobel Prize Winner for Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of department. Also offered as JWST 478A. Credit will be granted for HEBR498A or JWST478A. Students will read selections from Agnon's oeuvre, focusing on short stories and novellas about Eastern Europe and Jaffa. All readings will be in Hebrew, withEnglish translations available. Texts will include "Inthe Prime of Her Life," "Betrothed," "Fable of the Goat," "Story of the Scribe," "Hill of Sand," and excerpts from "A Simple Story" and "Only Yesterday." Taught in English.

0101	Sheila Jelen	Seats (Total: 10)
	MW 2:00pm - 3:15pm	TWS 3134

HEBR499 **Independent Study in Hebrew**

HEBR499 *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Fall 2014

HEIP143 **Foundations of Entrepreneurship and Innovation**

HEIP143 Foundations of Entrepreneurship and Innovation; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).
Foundational ideas and terms in entrepreneurship and innovation are introduced, with attention to developing students understanding of cultivating a business in diverse, global environments; leading and collaborating in a competitive world; developing an entrepreneurial mind for an entrepreneurial world; and industry dynamics of technological innovation.

0101	Jay Smith M 5:00pm - 5:50pm	Seats (Total: 120) SPH 1312

HEIP240 **Exploring International Entrepreneurship and Innovation**

HEIP240 Exploring International Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be an EIP student in good-standing. An introduction to the opportunities and challenges of entrepreneurship and innovation from an international perspective.

0101	Jay Smith TuTh 12:30pm - 1:45pm	Seats (Total: 36) LPA 0100
0201	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 55) LPA 0100
0301	Jay Smith TuTh 5:00pm - 6:15pm	Seats (Total: 32) LPA 0100

HESP Hearing and Speech Sciences Fall 2014

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Credit only granted for: HESP120 or LING200. An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Arifi Waked TuTh 12:30pm - 1:45pm	Seats (Total: 45) WDS 1114
0201	Ilina Stojanovska MW 4:30pm - 5:45pm	Seats (Total: 45) PHY 1204
FC01	Instructor: TBA MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 29) EDU 2119

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 11:00am - 12:15pm	Seats (Total: 115) LEF 2205

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Jared Novick	Seats (Total: 53)
	TuTh 11:00am - 12:15pm	ARC 1105

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Anatomy, physiology, and neurology of speech mechanism.

0101	Laura Sonjara	Seats (Total: 55)
	TuTh 9:30am - 10:45am	WDS 1114

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Kelly King	Seats (Total: 55)
	Tu 5:00pm - 7:30pm	LEF 2166

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of BSOS-Hearing Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Analysis of the normal processes of speech and language development in children.

0101	Yi Ting Huang	Seats (Total: 45)
	TuTh 9:30am - 10:45am	LEF 2208

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Eusabia Mont	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	TYD 0111

HESP406 **Acquired Neurogenic Communication Disorders in Adults**

HESP406 Acquired Neurogenic Communication Disorders in Adults; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP300 and HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.

0101	Kristin Slawson	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Francisco Rodriguez Campos	Seats (Total: 50)
	MW 3:00pm - 4:15pm	TYD 2111

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Christopher Zalewski	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	ASY 1213

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

HESP417 *(PermReq)* **Principles and Methods in Speech-Language Pathology and Audiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HESP400 and HESP411; and 1 course with a minimum grade of C- from (HESP402, HESP404, HESP406, HESP410). Or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. The principles underlying the treatment of speech, language and hearing disorders in children and adults.

0101	Kathryn Dow-Burger, Lisa Rickard	Seats (Total: 60)
	MW 11:00am - 12:15pm	SQH 1119

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

HESP469A Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

HESP469B Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498 **Seminar**

HESP498 Seminar; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP600 **Instrumentation in Hearing and Speech Sciences**

HESP600 *(PermReq)* **Instrumentation in Hearing and Speech Sciences; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Types and principles of operation of electronic equipment used in the hearing and speech sciences. Offered Fall only.

0101	Matthew Goupell	Seats (Total: 10)
	W 3:30pm - 6:00pm	KEY 0119

HESP606 **Basic Hearing Measurements**

HESP606 Basic Hearing Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP411; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Sandra Gordon-Salant	Seats (Total: 30)
	Th 3:30pm - 6:00pm	LEF 0135

HESP612 **Fluency Disorders**

HESP612 *(PermReq)* **Fluency Disorders; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. The nature of fluency disorders. Principles, methods and procedures for the clinical management of fluency disorders in children and adults.

0101	Vivian Sisskin	Seats (Total: 25)
	Tu 1:00pm - 3:30pm	LEF 0135

HESP616 **Language Disorders in Children**

HESP616 Language Disorders in Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP400; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Theoretical, empirical and clinical perspectives on language disorders in children.

0101	Nan Ratner	Seats (Total: 20)
	Th 1:00pm - 3:30pm	LEF 0135

HESP622 **Neuromotor Disorders of Speech**

HESP622 *(PermReq)* **Neuromotor Disorders of Speech; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Effects of neuropathology on speech production. Classification and assessment of the resultant disorders and their treatment.

0101	Nancy Solomon	Seats (Total: 25)
	Tu 6:45pm - 9:30pm	LEF 0135

HESP624 **Voice Disorders**

HESP624 Voice Disorders; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Heather Starmer Th 4:00pm - 6:30pm	Seats (Total: 20) TYD 2102

HESP630 **Electrophysiological Measurements**

HESP630 Electrophysiological Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms. Offered fall only.

0101	Samira Anderson M 3:30pm - 6:00pm	Seats (Total: 10) LEF 0104A

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP645 **Pediatric Audiology**

HESP645 *(PermReq)* **Pediatric Audiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Evaluation and treatement of hearing-impaired children. Offered Fall only.

0101	Anne Ferruggiaro W 5:30pm - 8:00pm	Seats (Total: 10) LEF 0104A

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG.

1901	Colleen Worthington Contact instructor or department for details.	Seats (Total: 7)	
2101	Vivian Sisskin Contact instructor or department for details.	Seats (Total: 7)	
2701	Instructor: TBA Contact instructor or department for details.	Seats (Total: 7)	
2801	Eusabia Mont Contact instructor or department for details.	Seats (Total: 7)	
3601	Kristin Slawson Contact instructor or department for details.	Seats (Total: 7)	
3701	Kathryn Dow-Burger Contact instructor or department for details.	Seats (Total: 7)	

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG.

1901	Colleen Worthington Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
2101	Vivian Sisskin Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
2701	Instructor: TBA Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
2801	Eusabia Mont Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
3601	Kristin Slawson Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
3701	Kathryn Dow-Burger Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

HESP700 Hearing Aids; (3 credits) Grade Method: REG/AUD.
Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	LaGuinn Sherlock, Margaret McCabe	Seats (Total: 10)
	Tu 4:15pm - 6:45pm	LEF 0135

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

HESP702 Diagnostic Procedures in Speech-Language Pathology; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Colleen Worthington	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

HESP710 Industrial and Environmental Noise Problems; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Lynn Cook M 5:30pm - 8:15pm	Seats (Total: 20) LEF 0135

HESP722 **Psychoacoutics**

HESP722 Psychoacoutics; (3 credits) Grade Method: REG/AUD.
Auditory perception and auditory processing in normal and impaired hearing.

0101	Matthew Goupell Tu 3:30pm - 6:00pm	Seats (Total: 15) SQH 2120

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe TBA Contact instructor or department for details.	Seats (Total: 10) LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP848 **Seminar in Audiology**

HESP848 Seminar in Audiology; (3 credits) Grade Method: REG/AUD.

0101	Nicole Nguyen	Seats (Total: 10)
	W 5:30pm - 8:00pm	LEF 1221

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Fall 2014

HHUM105 **Honors Humanities: Introduction to the Arts and Humanities**

HHUM105 Honors Humanities: Introduction to the Arts and Humanities; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must be an entering freshmen in the Honors Humanities Program. Credit only granted for: ARHU105 or HHUM105. Formerly: ARHU105. Introduction to the university, the different fields of the arts and humanities, and the history of how the university and the humanities have evolved across the world from ancient times to the present. Primary emphasis on reading and discussion of literary artifacts to assess the meaning and social status of the arts and humanities in the past and their personal and social value for the future.

0101	Gregory Staley Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) SQH 1119 TYD 1108	 Discussion
0102	Gregory Staley Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) SQH 1119 SKN 1112	 Discussion

0103	Gregory Staley Tu 9:30am - 10:45am Th 3:30pm - 4:45pm	Seats (Total: 15) SQH 1119 TLF 1101	 Discussion
0104	Gregory Staley Tu 9:30am - 10:45am Th 3:30pm - 4:45pm	Seats (Total: 15) SQH 1119 TLF 1103	 Discussion

HHUM205 **Second Year Seminar in Honors Humanities**

HHUM205 Second Year Seminar in Honors Humanities; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Diversity - Understanding Plural Societies.
Credit only granted for: ARHU205 or HHUM205. Formerly: ARHU205. Seminar on basic issues and methodologies in the humanities and arts.

0101	Aaron Allen, Dana Carluccio MW 11:00am - 12:15pm	Seats (Total: 25) SQH 1107
0301	Aaron Allen, Dana Carluccio MW 2:00pm - 3:15pm	Seats (Total: 25) EDU 3233

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 8)

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 8)

HISP Historic Preservation Fall 2014

HISP600 **Introductory Seminar in Historic Preservation: Theory, History and Practice**

HISP600 *(PermReq)* **Introductory Seminar in Historic Preservation: Theory, History and Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. An introduction to the wide range of ideas underpinning the practice of preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Dennis Pogue W 7:00pm - 9:40pm	Seats (Total: 25) ARC 1117

HISP611 **Historical Research Methods**

HISP611 *(PermReq)* **Historical Research Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP610 or HISP611. Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance. Department permission required.

0101	Dennis Pogue Th 7:00pm - 9:40pm	Seats (Total: 15) ARC 1117

HISP650 **Historic Preservation Studio Workshop**

HISP650 *(PermReq)* **Historic Preservation Studio Workshop; (6 credits)** Grade Method: REG/AUD.
Prerequisite: HISP600; and permission of ARCH-Historic Preservation Program. Restriction: Must be in a major in ARCH-Historic Preservation Program. Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group. Department permission required.

0101	Michele Lamprakos TuTh 4:00pm - 6:40pm	Seats (Total: 15) ARC 1117

HISP655 **American Vernacular Architecture**

HISP655 *(PermReq)* **American Vernacular Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP655 or HISP619V. Formerly: HISP619V. History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources. Department permission required.

0101	Donald Linebaugh Tu 7:00pm - 9:40pm	Seats (Total: 15) Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 10)

HISP680 **Preservation Economics**

HISP680 *(PermReq)* **Preservation Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619N or HISP680. Formerly: HISP619N. Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Constance Ramirez M 7:00pm - 9:40pm	Seats (Total: 20) ARC 1117

HISP701 **Certificate Portfolio Project**

HISP701 *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline. Department permission required.

0101	Donald Linebaugh	Seats (Total: 10)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 *(PermReq)* **Final Project in Historic Preservation I; (1 credit)** Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP710. Formerly: HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography. Department permission required.

0101	Dennis Pogue	Seats (Total: 10)
	TBA	ARC 1117

HISP711 **Final Project in Historic Preservation II**

HISP711 *(PermReq)* **Final Project in Historic Preservation II; (2 credits)** Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP711. Formerly: HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing. Department permission required.

0101	Dennis Pogue	Seats (Total: 10)
	Contact instructor or department for details.	

HIST History Fall 2014

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0102	Arthur Eckstein MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0104	Arthur Eckstein MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0105	Instructor: TBA MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0106	Arthur Eckstein MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Arthur Eckstein MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0108	Instructor: TBA MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

HIST111 The Medieval World

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Instructor: TBA MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) MMH 1400 TLF 1101	 Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) MMH 1400 KEY 0120	 Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 KEY 0120	 Discussion
0104	Instructor: TBA MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) MMH 1400 KEY 0120	 Discussion
0105	Instructor: TBA MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 KEY 0120	 Discussion
0106	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 KEY 0125	 Discussion
0107	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 KEY 0103	 Discussion
0108	Instructor: TBA MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 KEY 0103	 Discussion

HIST113 The Making of Modern Europe

HIST113 The Making of Modern Europe; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Evolution of modern nation states since late medieval times. Industrial-economic structure and demography. Emergence of modern secular society.

0101	Christopher Donohue TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 20) PLS 1140 PLS 1164	 Discussion
0102	Christopher Donohue TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 TYD 1118	 Discussion
0103	Christopher Donohue TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) PLS 1140 SQH 1123	 Discussion
0104	Christopher Donohue TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) PLS 1140 EDU 3233	 Discussion

HIST120 **Islamic Civilization**

HIST120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS120. Credit only granted for: HIST120 or RELS120. Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0119	 Discussion
0102	Antoine Borrut MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	 Discussion

0103	Antoine Borrut MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

HIST133 **"God Wills It!" The Crusades in Medieval and Modern Perspectives**

HIST133 "God Wills It!" The Crusades in Medieval and Modern Perspectives; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST133, HIST289D, or RELS289D. Formerly: HIST289D. An examination of the identities and convictions both of the Western Europeans who participated in the Crusades and of the Easterners (Muslim, Christian, and Jewish) whom they encountered in the Holy Land. Focuses on the era of the first four great Crusades, from about 1095 to 1215. Consideration of the cultural impact of these movements on both Western Europe and the Middle East. Also offered as RELS289D.

0101	Instructor: TBA MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3221	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion
0104	Instructor: TBA MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0105	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 1111	Discussion

0106	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
FC01	Instructor: TBA MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) KEY 0121	

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

HIST137 Pursuits of Happiness: Ordinary Lives in the American Revolution; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST289E or HIST137. Formerly: HIST289E. Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

0101	Instructor: TBA MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 KEY 0117	Discussion
0102	Richard Bell MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0220 KEY 0117	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) JMZ 0220 KEY 0117	Discussion
0104	Richard Bell MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 EDU 2119	Discussion
0105	Instructor: TBA MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) JMZ 0220 TYD 2102	Discussion

0106	Richard Bell MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0220 JMZ 3205	 Discussion

HIST140 **The Practice of Tolerance in Religious Societies**

HIST140 The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An exploration of the relation between religious ideology and the practice of tolerance, with particular emphasis on the history of Catholic Christian attitudes towards Jews in Italy -- what allowed continuous Jewish residence in papal Italy for over two millennia, and what factors threatened that co-existence. An exploration of the relation between religious ideology and the practice of tolerance, with particular emphasis on the hisotry of Catholic Christian attitudes towards Jews in Italy-- what allowed continuous Jewish residence in papal Italy for over two millennia, and what factors threatened that co-existence. Also offered as JWST289T and RELS289T. Credit will be granted for only one of the following: HIST140, HIST289G, JWST289T, or RELS2889T. JWST289T, or RELS289T.

0101	Bernard Cooperman MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0102	Bernard Cooperman MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TYD 2102	 Discussion
0103	Bernard Cooperman MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 BPS 1236	 Discussion
0104	Bernard Cooperman MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0105	Bernard Cooperman MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 2102	 Discussion

0106	Bernard Cooperman MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

HIST142 **Looking at America through a Global Lens**

HIST142 Looking at America through a Global Lens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST289I or HIST142. Formerly: HIST289I. Looking at America will focus on a thematic approach to the study of foreign -- negative and positive -- perceptions of America in the 20th century.

0101	Saverio Giovacchini MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 1117	 Discussion
0102	Saverio Giovacchini MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KEY 0103	 Discussion
0103	Saverio Giovacchini MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 WDS 1131	 Discussion
0104	Saverio Giovacchini MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 WDS 1131	 Discussion
0105	Saverio Giovacchini MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0124	 Discussion
0106	Saverio Giovacchini MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KEY 0117	 Discussion

HIST200 **Interpreting American History: Beginnings to 1877**

HIST200 Interpreting American History: Beginnings to 1877; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities. *Credit only granted for: HIST156 or HIST200. Formerly: HIST156.* The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Instructor: TBA MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0102	Christina Larocco MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0103	Christina Larocco MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0104	Instructor: TBA MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0105	Christina Larocco MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0106	Christina Larocco MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0107	Instructor: TBA MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	Instructor: TBA MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 LEF 1220	Discussion

FC01	Christina Larocco MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0121	

HIST201 **Interpreting American History: From 1865 to the Present**

HIST201 Interpreting American History: From 1865 to the Present; (3 credits)
Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: HIST157 or HIST201. Formerly: HIST157. The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Instructor: TBA MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 EDU 2101	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0104	Instructor: TBA MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 0104	Discussion
0105	Instructor: TBA MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0106	Instructor: TBA MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion

0107	Instructor: TBA MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
0108	Instructor: TBA MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 0104	Discussion
0109	Edwin Smead MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0110	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0111	Edwin Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0112	Edwin Smead MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0201	Robert Chiles TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0202	Robert Chiles TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0203	Robert Chiles TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0204	Robert Chiles TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion

0205	Robert Chiles TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0206	Robert Chiles TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0207	Robert Chiles TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0208	Robert Chiles TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
FC01	Thomas Castillo MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0121	
FC02	Robert Chiles TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0121	

HIST204 **Introduction to the History of Science**

HIST204 Introduction to the History of Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST174 or HIST204. Formerly: HIST174. An exploration of the roots of modern science from the ancient Greeks through the medieval and early modern periods. Focus on the men and women who helped to create the sciences and to change public perceptions of their disciplines.

FC01	John Matthews TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 29) KEY 0125	

HIST205 **Environmental History**

HIST205 Environmental History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
An exploration of the way different societies have used, imagined, and managed nature. Includes examination of questions of land use, pollution, conservation, and the ideology of nature, especially but not exclusively in Europe and North America.

0101	Thomas Zeller TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 1117	Discussion
0102	Thomas Zeller TuTh 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 SKN 0104	Discussion
0103	Thomas Zeller TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0104	Thomas Zeller TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

HIST208B **Historical Research and Methods Seminar; Latin American Revolutions**

HIST208B *(PermReq)* **Historical Research and Methods Seminar: Latin American Revolutions; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Brandi Townsend M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107	
0201	Brandi Townsend W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100	

HIST208O **Historical Research and Methods Seminar; The First World War**

HIST208O *(PermReq)* **Historical Research and Methods Seminar: The First World War; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Scott Moore W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) TLF 2103
0201	Scott Moore Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) TLF 2110

HIST208R **Historical Research and Methods Seminar; Race and Popular Culture in the United States after the Civil Rights Movement**

HIST208R *(PermReq)* **Historical Research and Methods Seminar: Race and Popular Culture in the United States after the Civil Rights Movement; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Robert Bland Th 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) KEY 0107
0201	Robert Bland Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST208V **Historical Research and Methods Seminar; Pleasure, Power, and Private Matters: Gender and Sexuality in United States History**

HIST208V *(PermReq)* **Historical Research and Methods Seminar: Pleasure, Power, and Private Matters: Gender and Sexuality in United States History; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Ashley Towle Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107
0201	Ashley Towle Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST212 **Women in Western Europe, 1750-Present**

HIST212 Women in Western Europe, 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: WMST212. Credit only granted for: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0116	Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

HIST213 **History of Sexuality in America**

HIST213 History of Sexuality in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST213 or HIST219O. Formerly: HIST219O. Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S history.

0101	Clare Lyons MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 WDS 1114	Discussion
0102	Clare Lyons MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 TLF 1103	Discussion
0103	Clare Lyons MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) SQH 1120 KEY 0117	Discussion
0104	Clare Lyons MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) SQH 1120 KEY 0124	Discussion

HIST221 **Asian American History**

HIST221 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: AAST201. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221. Formerly: HIST219M and HIST219G. Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 HBK 1112	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 HBK 1112	Discussion

0103	Instructor: TBA MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 HBK 0103	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 HBK 1112	Discussion

HIST224 **Modern Military History, 1494-1815**

HIST224 Modern Military History, 1494-1815; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Napoleonic Empire.

0101	Jon Sumida TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 1111	Discussion
0102	Jon Sumida TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 SQH 1117	Discussion
0104	Jon Sumida TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 2102	Discussion
0108	Jon Sumida TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST219P or HIST233. Formerly: HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in empire, transportation and the making of Australia, sex in empire, missionaries, racial theories, and decolonization.

0101	Richard Price TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103
FC01	Anne Rush MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) JMZ 1117

HIST234 **History of Britain to 1485**

HIST234 History of Britain to 1485; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
British history from Roman times to the 15th century. The Anglo-Saxon, Scandinavian, and Norman invasions; the coming of Christianity; Magna Carta, the development of Parliament, legal institutions, and the Common Law; the decline of medieval kingship.

0101	Sabrina Baron TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

HIST250 **Colonial Latin America**

HIST250 Colonial Latin America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.

0101	David Sartorius MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST254 **African-American History to 1865**

HIST254 African-American History to 1865; (3 credits) Grade Method: REG/P-F. Survey of the principal developments in the history and culture of the peoples of African descent in colonial North America and the United States to 1865. Examines the African past, the Atlantic slave trade, variation in slavery, the growth of free black communities, the transformations of families and cultural forms, and patterns of resistance. Also offered as AASP298C. Credit will be granted for AASP298C or HIST 254.

0101	Christopher Bonner TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1118

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Colleen Woods TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0103

HIST269M **Special Topics in Study Abroad II; History of Modern Italy**
Contact department for information to register for this course.

HIST269O **Special Topics in Study Abroad II; Mediterranean Politics and Culture**
Contact department for information to register for this course.

HIST269Y **Special Topics in Study Abroad II; Rome: Republic and Empire**
Contact department for information to register for this course.

HIST282 **History of the Jewish People I**

HIST282 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: JWST234. Credit only granted for: HIST282 or JWST234. Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TYD 1114	Discussion
0102	Hayim Lapin MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0103	Hayim Lapin MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0124	Discussion
0104	Hayim Lapin MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion

HIST284 **East Asian Civilization I**

HIST284 East Asian Civilization I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Charles Lilley MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0102	Charles Lilley MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0103	Charles Lilley MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0126	Discussion
0104	Charles Lilley MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion

HIST289C **Mirror of Democracy: The Golden Age of Athens**

HIST289C Mirror of Democracy: The Golden Age of Athens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Kenneth Holum TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 SQH 1101	Discussion
0102	Kenneth Holum TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 TYD 1118	Discussion
0103	Kenneth Holum TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 KEY 0121	Discussion

0104	Kenneth Holum TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 TLF 2103	Discussion
0105	Kenneth Holum TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 TYD 0102	Discussion
0106	Kenneth Holum TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 KEY 1117	Discussion

HIST289R **Pocketbook Politics: A History of American Buying and Selling**

HIST289R Pocketbook Politics: A History of American Buying and Selling; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

This course is designed to provide a thematic approach to consumer culture as it emerged in the United States over the course of three centuries. Drawing on history, anthropology, sociology, and media/communication studies, this course will examine the key moments in American consumer history and the major debates in the meanings of consumption. Consumerism has been described as the basis of widespread prosperity and social equality, the enemy of moral values, and a basic right of citizenship. The history of consumption is a prism through which many aspects of social and political life may be viewed. How does what we wear, what we listen to, or what we eat shape our identities?

0101	Katarina Keane TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 KEY 0121	Discussion
0102	Katarina Keane TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) JMZ 0220 TYD 2102	Discussion
0103	Katarina Keane TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 JMZ 3203	Discussion

0104	Katarina Keane TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 KEY 0116	Discussion
0105	Katarina Keane TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 KEY 0119	Discussion
0106	Katarina Keane TuTh 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0220 KEY 0124	Discussion
FC01	Katarina Keane TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0125	

HIST289V **What Does It Mean to be An American?**

HIST289V What Does It Mean to be An American?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

What does it mean to you to be an American? Does being American mean the same thing if did for your parents, grandparents? Has your impression changed over the years? Being American is deeply bound up with America's topography and climate, its culture and demographic make-up, its religious and spiritual outlook, its violence, its culture, economy and history, and its role on the world stage. Being American also rests on the intent of the nation's founders. This course examines the multiplicity of factors that go into the big stew known as America and asks students to seek answers to the tough question about national identity and purpose. In doing so and by using the past as a source material for the present, they will gain a greater comprehension and appreciation of the complex and inter-connected lives and experiences of all those who have shared these borders from the famous and infamous, the oppressed and tolerated, the poor and down-and-out, to the exalted and honored, wealthy and powerful- to the hardworking yeomanryoccupying the vast middle.

FCH1	Edwin Smead Tu 4:30pm - 5:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TYD 2102 ONLINE	

HIST299 **Directed Research**

HIST299 *(PermReq)* **Directed Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST306 **History of Religion in America**

HIST306 History of Religion in America; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST200, HIST201, HIST210, HIST211, HIST213, HIST254, or HIST255; or must have completed HIST156 or HIST157; or permission of instructor. Also offered as: RELS346. Credit only granted for: HIST306 or RELS346.* A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

0101	Miles Bradbury	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TLF 1103

HIST307 **The Holocaust of European Jewry**
Contact department for information to register for this course.

HIST310 **History of South Africa**

HIST310 History of South Africa; (3 credits) Grade Method: REG/P-F/AUD. *Formerly: HIST419E.* Explores the roots of Apartheid and the anti-Apartheid movement from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.

0101	Paul Landau	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0126

HIST319C **Special Topics in History; Africans in the 18th Century Britain**
Contact department for information to register for this course.

HIST319F **Special Topics in History; Diseases of Modernity**

HIST319F Special Topics in History: Diseases of Modernity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 40) KEY 1117

HIST319G **Special Topics in History; Law and Culture in Late Imperial China**

HIST319G Special Topics in History: Law and Culture in Late Imperial China; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) TLF 1101

HIST319J **Special Topics in History; Rome from Republic to Authoritarian State, 100 B.C. - 100 A.D.**

HIST319J Special Topics in History: Rome from Republic to Authoritarian State, 100 B.C. - 100 A.D.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Arthur Eckstein TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST319K **Special Topics in History; Race and the Making of the American City.**

HIST319K Special Topics in History: Race and the Making of the American City.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kelly Quinn W 5:30pm - 8:00pm	Seats (Total: 40) KEY 0102

HIST319Z **Special Topics in History; The FBI 1909-1978**
Contact department for information to register for this course.

HIST328A **Selected Topics in History; "Forging the Tortilla Curtain": US-Mexican Borderlands History**

HIST328A Selected Topics in History: "Forging the Tortilla Curtain": US-Mexican Borderlands History; (3 credits) Grade Method: REG/P-F/AUD.
The historical roots of the U.S.-Mexico border and borderlands landscape, 1800-present. Emphasis on the creation and militarization of the U.S.-MX border, the effects of border-making and free-enterprise on borderlands society, the development of U.S. immigration policy at the U.S.-MX border, the challenges of globalization, and the Mexican migration experience.

0101	Chantel Rodriguez	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	SQH 1101

HIST328I **Selected Topics in History; Women in Israel**
Contact department for information to register for this course.

HIST329F **Special Topics in History; The Roman World in Late Antiquity**

HIST329F Special Topics in History: The Roman World in Late Antiquity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Holum	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0103

HIST329L **Special Topics in History; Recent History of Latin America: Leftist Revolutions, Dictatorships and the Transition to Democracy 1960s-2010**

HIST329L Special Topics in History: Recent History of Latin America: Leftist Revolutions, Dictatorships and the Transition to Democracy 1960s-2010; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC348L. Credit granted for HIST329L or LASC348L.

0101	Instructor: TBA	Seats (Total: 40)
	TuTh 9:30am - 10:45am	SQH 1120

HIST331 **Europe in the High Middle Ages: 1000-1500**

HIST331 Europe in the High Middle Ages: 1000-1500; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: RELS341. Credit only granted for: HIST331 or RELS341. Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

0101	Marie Ito	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0126

HIST332 **Renaissance Europe**

HIST332 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST112 or HIST111; or permission of instructor. Also offered as: RELS342. Credit only granted for: HIST332 or RELS342. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economic trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Stefano Villani	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 1117

HIST352 **America in the Colonial Era, 1600-1763**

HIST352 America in the Colonial Era, 1600-1763; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, or HIST254; or must have completed HIST156; or permission of instructor. The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.

0101	Miles Bradbury	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

HIST353 **America in the Revolutionary Era, 1763-1815**

HIST353 America in the Revolutionary Era, 1763-1815; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, HIST254, or HIST275; or must have completed HIST156; or permission of instructor. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101	Robert Chiles TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST356 **Emergence of Modern America, 1900-1945**

HIST356 Emergence of Modern America, 1900-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman, and the New Negro.

0101	Robert Chiles TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1132

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 80) KEY 0102

HIST369F **Special Topics in Study Abroad III; Caesar, Cicero and the Collapse of the Roman Republic**
Contact department for information to register for this course.

HIST370 **Jews and Judaism in Antiquity I: Sixth Century BCE through the First Century CE**

HIST370 Jews and Judaism in Antiquity I: Sixth Century BCE through the First Century CE; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: JWST325. Credit only granted for: HIST370 or JWST325. Political, social, and religious history of the Jews from the Persian period to the Judean revolt of 66-70 CE. Special attention to the rise of sectarian and revolutionary movements.

0101	Hayim Lapin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	SQH 1103

HIST373 **Jews in Early Modern Times 1450-1750**

HIST373 Jews in Early Modern Times 1450-1750; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST282 or JWST234. Also offered as: JWST333. Credit only granted for: JWST333, HIST373, HIST418C/JWST419C (Fall 2006, Fall 2004) or HIST419C/JWST419Y (Spring 2001). Formerly: HIST419C. Emergence of new powerful population centers, religious and cultural creativity, new forms of community, and radical messianic movements.

0101	Bernard Cooperman	Seats (Total: 40)
	MW 1:00pm - 1:50pm	KEY 0103
	Contact instructor or department for details.	

HIST376 **History of Modern Israel**

HIST376 History of Modern Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ISRL342. Credit only granted for: HIST376, ISRL342, or JWST342. History of modern Israel since the beginning of the Zionist settlement in 1882. Attention to different interpretations and narratives of Israel's history, including the historical and ideological roots of Zionism, the establishment of the State of Israel, ideological forces, wars, and the triumphs and crises of democracy.

0101	Yoram Peri	Seats (Total: 60)
	MW 3:30pm - 4:45pm	SQH 1120

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-History department; and junior standing or higher.
The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

HIST395 *(PermReq)* **Honors Colloquium I; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-History department; and must be in History program.
History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	Robyn Muncy	Seats (Total: 12)	
	Tu 2:00pm - 4:00pm	TLF 2108	
	Contact instructor or department for details.		

HIST398 **Honors Thesis I**

HIST398 *(PermReq)* **Honors Thesis I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Stefano Villani	Seats (Total: 12)	
	Th 3:00pm - 5:00pm	TLF 2108	
	Th 2:00pm - 2:50pm	Location: TBA	Discussion

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

0101	Lindley Darden	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	SKN 1115

HIST406 **History of Technology**

HIST406 History of Technology; (3 credits) Grade Method: REG/P-F/AUD.
The changing character of technology in modern history, beginning with the Middle Ages. Concentrates on the Industrial Revolution and its aftermath, the nature of technological knowledge and the sources of technological change.

0101	David Sicilia	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 1117

HIST408A **Senior Seminar; Revolutions in Africa, 1945 to the Present.**

HIST408A *(PermReq)* **Senior Seminar: Revolutions in Africa, 1945 to the Present.; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. Explores the history of seven revolutions in Africa after World War II: Algeria, Ghana, Nigeria, Ethiopia, Kenya, Zambia, Liberia, and South Africa. Our readings cover warfare, foreign involvement, settler-colony revolutionary change, and help us to understand the shape of Africa today.

0101	Paul Landau	Seats (Total: 12)
	M 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408B **Senior Seminar; Metropolitan History as American History**

HIST408B *(PermReq)* **Senior Seminar: Metropolitan History as American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	David Freund	Seats (Total: 12)
	Tu 9:00am - 11:00am	TLF 2103
	Contact instructor or department for details.	

HIST408G **Senior Seminar; Environmental History of Eurasia**

HIST408G *(PermReq)* **Senior Seminar: Environmental History of Eurasia; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Sarah Cameron M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0121

HIST408M **Senior Seminar; Rednecks, Race, and Riots: Readings in the Modern South, Civil War to Civil Rights**

HIST408M *(PermReq)* **Senior Seminar: Rednecks, Race, and Riots: Readings in the Modern South, Civil War to Civil Rights; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Emily Landau Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST408P **Senior Seminar; War in the Pacific**

HIST408P *(PermReq)* **Senior Seminar: War in the Pacific; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Colleen Woods Th 12:30pm - 2:30pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408Q **Senior Seminar; Cultures of the Cuban Revolution**

HIST408Q *(PermReq)* **Senior Seminar: Cultures of the Cuban Revolution; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	David Sartorius W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST408T **Senior Seminar; "Anna Karenina" as a Window on Russia**

HIST408T *(PermReq)* **Senior Seminar: "Anna Karenina" as a Window on Russia; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Mikhail Dolbilov Tu 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST415 **Ideas and Politics in Europe Since 1900**

HIST415 Ideas and Politics in Europe Since 1900; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST240 or HIST113; or permission of instructor. Restriction: Junior standing or higher; or permission of instructor. Examination of intersection of ideas and politics in Europe since 1900. Focus will be on advocates of liberalism, social democracy, fascism, Nazism, communism, and conservatism and their impact on politics and policy since 1900.

0101	Jeffrey Herf TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 1117

HIST419G **Special Topics in History; Iraq: From the Origins of the Modern State to Current Crisis**

HIST419G Special Topics in History: Iraq: From the Origins of the Modern State to Current Crisis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0125

HIST419K **Special Topics in History; Victorian London c. 1830-1900**
Contact department for information to register for this course.

HIST419N **Special Topics in History; History of Country Music in the 20th Century South**

HIST419N Special Topics in History: History of Country Music in the 20th Century South; (3 credits) Grade Method: REG/P-F/AUD.

0101	Emily Landau TuTh 2:00pm - 3:15pm	Seats (Total: 32) KEY 0121

HIST425 **Imperial Russia**

HIST425 Imperial Russia; (3 credits) Grade Method: REG/P-F/AUD.
The rise and fall of the Russian Empire, Peter the Great to the collapse of tsarism in revolution. Emphasis on the evolution of autocracy, social groups, national identities, and cultural change.

0101	Mikhail Dolbilov	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST427 **Age of Decline: Britain 1914 to Present**

HIST427 Age of Decline: Britain 1914 to Present; (3 credits) Grade Method: REG/P-F/AUD.
British society since the First World War. The social, cultural, economic, and political impact of the First World War; labor and politics in the 1920s and 1930s; the inter-war Depression, appeasement and foreign policy; the social impact of the Second World War; the welfare state and nationalization of industry; the dissolution of Empire; the emergence of a consumer society; social criticism in the 1950s; the economic and political problems of the 1960s and 1970s.

0101	Richard Price	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 1117

HIST428B **Selected Topics in History; France in the Revolutionary Century: How France Became a Democracy**

HIST428B Selected Topics in History: France in the Revolutionary Century: How France Became a Democracy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Sutherland	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	KEY 0126

HIST428W **Selected Topics in History; Battle of the Narratives**

HIST428W Selected Topics in History: Battle of the Narratives; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448N. Credit granted for ISRL448N or HIST428W. The history of the Israeli-Palestinian conflict and how it is influenced by the narratives of each side. Part of the course will be interactive through distance learning technology with a parallel course at Tel Aviv University taught by a professor there.

0101	Instructor: TBA	Seats (Total: 15)
	MW 9:00am - 10:50am	SQH 1107

HIST429A **Special Topics in History; Society and Culture in Victorian Britain**

HIST429A Special Topics in History: Society and Culture in Victorian Britain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Taddeo	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST429C **Special Topics in History; Race and the Public Memory**

HIST429C Special Topics in History: Race and the Public Memory; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498F and AMST418V. Credit will be granted for AAST498F, AMST418V, or HIST429C. This seminar brings together explorations of Asian American, Black, Latino, and Native American histories and ways their stories have interacted with public history that extend beyond the boundaries of academic scholarship. How have members of racial minority groups been featured in the public eye through popular representations at museums, parks, film and television, the internet and websites, libraries, galleries, community centers, and many other venues which provide interpretations of the past? The course explores scholarship, places,

0101	Franklin Odo	Seats (Total: 20)
	W 2:30pm - 5:00pm	EGR 1110

HIST429D **Special Topics in History; The Soviet Union and the World**

HIST429D Special Topics in History: The Soviet Union and the World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sarah Cameron MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST429P **Special Topics in History; Oral Narratives in Latin America: Approaches to Latin America from the Cold War to the Present**

HIST429P Special Topics in History: Oral Narratives in Latin America: Approaches to Latin America from the Cold War to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448P. Credit granted for HIST429P or LASC448P.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 20) TLF 2103

HIST430 **Tudor England**

HIST430 Tudor England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious, and social forces in English life, 1485-1603, with special emphasis on Tudor government, the English reformation, and the Elizabethan era.

0101	Sabrina Baron TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0126

HIST433 **Strategic Military Theory: Clausewitz**

HIST433 Strategic Military Theory: Clausewitz; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: HIST419J or HIST433. Formerly: HIST419J. An exploration of Clausewitzian thought. Topics include the conduct of fighting and war planning, the relationship of war and politics, guerrilla war, the principles of concentration of force, the Clausewitzian trinity, absolute war and real war, unlimited and limited war, the relative strengths of the defense and the attack, and the intuitive sources of strategic decision.

0101	Jon Sumida TuTh 11:00am - 12:15pm	Seats (Total: 25) TLF 1103

HIST440 **Germany in the Nineteenth Century, 1815-1914**

Contact department for information to register for this course.

HIST446 **Old Regime France, 1589-1789**

HIST446 Old Regime France, 1589-1789; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: HIST419I or HIST446. Formerly: HIST419I.* An exploration of the demographic patterns of the seventeenth and eighteenth centuries. Examination of arguments that the population was governed by Malthusian constraints; the social structure of the time; the nature of the elites; the debate over the phrase "rise of the bourgeoise"; the Enlightenment both as an intellectual phenomenon and as a social agent; and arguments that Enlightenment led to the desacralization of the monarchy.

0101	Donald Sutherland	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	TLF 1101

HIST463 **History of the Old South**
Contact department for information to register for this course.

HIST467 **Women and Reform Movements in the Twentieth-Century United States**

HIST467 Women and Reform Movements in the Twentieth-Century United States; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST201, HIST211, or HIST255. Credit only granted for: HIST466 or HIST429E. Formerly: HIST429E. Investigation of women's participation in such twentieth-century reform movements as the labor movement, the struggle for racial justice, social welfare reform, and women's movements. Will ask how race, class, and gender were implicated in the ways that women agitated for social political change.

0101	Christina Larocco	Seats (Total: 40)
	MW 3:30pm - 4:45pm	WDS 1114

HIST469T **Study Abroad Special Topics IV; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST481 **A History of Modern China**

HIST481 A History of Modern China; (3 credits) Grade Method: REG/P-F/AUD. Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.

0101	James Gao TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0116

HIST482 **History of Japan to 1800**

HIST482 History of Japan to 1800; (3 credits) Grade Method: REG/P-F/AUD. Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.

0101	Charles Lilley MW 2:00pm - 3:15pm	Seats (Total: 28) TLF 1103

HIST484 **Cultural History of the Chinese Revolutions**

HIST484 Cultural History of the Chinese Revolutions; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST481 or HIST285. Credit only granted for: HIST419G or HIST484. Formerly: HIST419G. Examines the cultural origins, experience, and results of the Cultural Revolution in China.

0101	James Gao TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

HIST491 **History of the Ottoman Empire**

HIST491 History of the Ottoman Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.

0101	Madeline Zilfi MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0126

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Saverio Giovacchini W 3:30pm - 6:00pm	Seats (Total: 15) TLF 2103

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.

0101	Marsha Rozenblit Contact instructor or department for details.	Seats (Total: 15)
0201	Robyn Muncy Contact instructor or department for details.	Seats (Total: 6)

HIST608A **General Seminar; American History**

HIST608A *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Clare Lyons W 3:30pm - 6:00pm	Seats (Total: 15) TLF 2108

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST639R **Special Topics in History; Readings in American Social History**

HIST639R Special Topics in History: Readings in American Social History; (3 credits) Grade Method: REG/AUD.

0101	James Gilbert Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST639T **Special Topics in History; Readings in Ancient History**

HIST639T Special Topics in History: Readings in Ancient History; (3 credits)
Grade Method: REG/AUD.

0101	Arthur Eckstein Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

HIST639V **Special Topics in History; Iraq: From the Origins of the Modern State to Current Crisis**

HIST639V Special Topics in History: Iraq: From the Origins of the Modern State to Current Crisis; (3 credits) Grade Method: REG/AUD.

0101	Peter Wien TuTh 11:00am - 12:15pm	Seats (Total: 5) KEY 0125

HIST689 **Readings in Southern History**

HIST689 Readings in Southern History; (3 credits) Grade Method: REG/AUD.

0101	Leslie Rowland	Seats (Total: 12)
	M 6:00pm - 8:30pm	TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST729 **Readings in Modern European History**

HIST729 Readings in Modern European History; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf	Seats (Total: 12)
	Tu 6:00pm - 8:30pm	TLF 2100

HIST779E **Readings in Middle Eastern History; Approaching Early Islam**

HIST779E Readings in Middle Eastern History: Approaching Early Islam; (3 credits) Grade Method: REG/AUD.

0101	Antoine Borrut	Seats (Total: 12)
	M 1:30pm - 4:30pm	TLF 2101

HIST798B **Readings in Jewish History; The Modernization of the Jews**

HIST798B Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG/AUD.
Also offered as JWST648. Credit granted for HIST798B or JWST648.

0101	Marsha Rozenblit	Seats (Total: 12)
	Th 6:00pm - 8:30pm	TLF 2108

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST811 **Museum Scholarship Practicum**

HIST811 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: ANTH857, AMST857. Credit only granted for: ANTH 857, AMST857 or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

Contact department for information to register for this course.

HIST819A **Special Topics in History: Independent Research**

HIST819A *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819K **Special Topics in History: Independent Research; Research in Twentieth-Century U.S. History**

HIST819K Special Topics in History: Independent Research: Research in Twentieth-Century U.S. History; (3 credits) Grade Method: REG/AUD.

0101	Robyn Muncy Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2014

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen W 4:00pm - 6:45pm	Seats (Total: 35) SPH 0307
PLH1	Instructor: TBA Class time/details on ELMs *Restricted to students in MPH-PHPP or GC-PPH programs.*	Seats (Total: 25) ONLINE

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 Field Work in Aging; (1-6 credits) Grade Method: REG.

0201	Lori Simon-Rusinowitz	Seats (Total: 5)
	Contact instructor or department for details.	

HLSA702 **Policy and Politics of Health**

HLSA702 Policy and Politics of Health; (3 credits) Grade Method: REG/AUD. Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

0101	Kathleen Ruben	Seats (Total: 20)
	W 1:00pm - 3:30pm	SPH 0302

HLSA711 **Health Economics and Analysis**

HLSA711 Health Economics and Analysis; (3 credits) Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms.

PLH1	Instructor: TBA	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH-PHPP or GC-PPH programs.	

HLSA720 **Health Law and Ethics**

HLSA720 Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.

0101	Instructor: TBA W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303
PLH1	Arthur Reynolds Class time/details on ELMs	Seats (Total: 20) ONLINE
	Restricted to students in MPH-PHPP or GC-PPH programs.	

HLSA745 **Public Health Practice and Management**

HLSA745 Public Health Practice and Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Examines the relationship of practice and management in performing essential public health services on local, state and national levels.

PLH1	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE
	Restricted to students in MPH-PHPP or GC-PPH programs.	

HLSA765 **Oral and Written Communication in Healthcare**

HLSA765 Oral and Written Communication in Healthcare; (3 credits) Grade Method: REG/AUD.
Acquaint students with a variety of types of professional writing required of health service professionals, including: grant proposals; journal articles; textbooks; presentation proposals and papers; and theses and dissertations.

0101	Lori Simon-Rusinowitz, Jie Chen F 1:00pm - 3:45pm	Seats (Total: 5) SPH 0301

HLSA770 **Continuous Quality Improvement in Healthcare**

HLSA770 Continuous Quality Improvement in Healthcare; (3 credits) Grade Method: REG/AUD.

Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.

0101	Robert Mekelburg	Seats (Total: 20)
	M 7:00pm - 9:45pm	SPH 0301

HLSA772 **Healthcare Leadership and Communications**

HLSA772 Healthcare Leadership and Communications; (3 credits) Grade Method: REG/AUD.

Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

PSH1	Tracey Manning	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	
	Sa 9:00am - 6:00pm	Location: TBA	Discussion
	Su 9:00am - 4:00pm	Location: TBA	Discussion
	Restricted to students in MPH-PHPP or GC-PPH programs. Class discussions are scheduled to meet at the Shady Grove campus as follows: 09/13, 09/14, 10/25, 12/6, 12/7, 9 a.m. to 6 p.m.		

HLSA775 **Public Health Research**

HLSA775 Public Health Research; (3 credits) Grade Method: REG.
Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.

0101	Rada Dagher Tu 1:00pm - 3:45pm	Seats (Total: 25) JMP 1109

HLSA785 **Internship in Public Health**

HLSA785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Health Services Administration department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 5)
0201	Rada Dagher Contact instructor or department for details.	Seats (Total: 5)
0301	Karoline Mortensen Contact instructor or department for details.	Seats (Total: 5)
0401	Jie Chen Contact instructor or department for details.	Seats (Total: 5)

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Health Services Administration department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA791 **Advanced Research Seminar II**

HLSA791 Advanced Research Seminar II; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Introduces pre-candidates at the end of their coursework to methods for locating, downloading and processing secondary data sources with complex survey design. The course emphasizes analysis of the Medical Expenditure Panel Survey (MEPS) data with Stata statistical software. The analysis and synthesis skills acquired throughout the students' doctoral coursework are applied to write and conduct analysis for a publishable journal article.

0101	Jie Chen	Seats (Total: 4)
	M 1:00pm - 3:45pm	Location: TBA

HLSA793 **Health Services Portfolio Seminar II**

HLSA793 Health Services Portfolio Seminar II; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Introduces students to the main sections of a publishable paper. This is an applied course so students are expected to learn how to critique a research article and how to write a publishable one. By the end of this course, each student is expected to have written a publishable paper with a formal abstract, specific to their research topic.

0101	Karoline Mortensen	Seats (Total: 3)
	Contact instructor or department for details.	

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSC Integrated Life Sciences Fall 2014

HLSC100 **Students in the University: Integrated Life Sciences**

HLSC100 Students in the University: Integrated Life Sciences; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: EDCP108O, HLSC100, HONR100, or UNIV100H. In a small classroom setting, Integrated Life Sciences students learn about academic resources on and off campus.

0101	Nicole Horvath Tu 2:00pm - 3:30pm *For students in the Honors College Integrated Life Sciences Program only.*	Seats (Total: 25) LPA 1125
0102	Nicole Horvath W 2:00pm - 3:30pm *For students in the Honors College Integrated Life Sciences Program only.*	Seats (Total: 25) LPA 1125
0103	Nicole Horvath W 3:30pm - 5:00pm	Seats (Total: 25) LPA 1125

HLSC207 **Principles of Biology III Organismal Biology**

HLSC207 Principles of Biology III Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106; or students who have taken courses with comparable content may contact the department. Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: BSCI207, BSCI279D, or HLSC207. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Todd Cooke	Seats (Total: 80)	
	MWF 9:00am - 9:50am	CCC 1205	

HLSC374 **Mathematical Modeling in Biology**

HLSC374 Mathematical Modeling in Biology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130; or MATH140. And MATH131; or MATH141. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Credit only granted for: HLSC374 or BSCI474. Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.

0101	Jonathan Simon	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CCC 1111	
	M 1:00pm - 3:50pm	CCC 1111	Lab

HLTH Health Fall 2014

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Kenneth Beck TuTh 3:30pm - 4:45pm	Seats (Total: 125) SPH 1312

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must not have completed HLTH105; and non-majors must have 45 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 125) SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/AUD. Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	James Butler TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of SPHL-Behavioral & Community Health department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Amelia Arria	Seats (Total: 120)
	MWF 11:00am - 11:50am	CSS 2324

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: Must have completed or be concurrently enrolled in HLTH130.
Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Robert Feldman	Seats (Total: 125)
	TuTh 3:30pm - 4:45pm	PHY 1412

HLTH234 **Global Health Messages: Understanding Exposure & Impact.**

HLTH234 Global Health Messages: Understanding Exposure & Impact.; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency; Signature Courses - I-Series.
Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.

0101	Dina Borzekowski	Seats (Total: 50)
	Tu 3:30pm - 6:15pm	SPH 0302

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Erin Tagai	Seats (Total: 100)
	TuTh 8:00am - 9:15am	SPH 1312

HLTH289 **Topical Investigations**

HLTH289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: Must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB300 or HLTH300.* An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Dina Borzekowski	Seats (Total: 200)
	TuTh 12:30pm - 1:45pm	SPH 1312

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH300 and HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB301 or HLTH301. An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Debra Bernat TuTh 2:00pm - 3:15pm	Seats (Total: 200) ARM 0135
SG91	Instructor: TBA Tu 6:00pm - 8:50pm *Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.*	Seats (Total: 30) BLD3 4215
SG92	Instructor: TBA W 6:00pm - 8:50pm *Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.*	Seats (Total: 30) BLD3 4211

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major within SPHL-Behavioral & Community Health department. The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Sylvette La Touche-Howard TuTh 12:30pm - 1:45pm	Seats (Total: 100) MMH 1400

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
SG91	Robin Sawyer Class time/details on ELMs	Seats (Total: 40) ONLINE
	This section is taught on-line, but there are 4 mandatory in-class meetings and exams at 10:30-11:30am on the following dates: Wednesday September 3 Wednesday October 1, Wednesday November 5, and Wednesday December 3. Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Behavioral & Community Health department.
Restriction: Junior standing or higher.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program.* Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 9:30am - 10:45am	Seats (Total: 25) SPH 0305
0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0307
0301	Mary Garza Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305
0401	Sharon Desmond W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications. *Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH490.* The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 20) SPH 0303
0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0301
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301
0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 20) SPH 0301
0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 20) CHE 2116
0601	Tracy Zeeger TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 2109

HLTH460 **Minority Health**

HLTH460 Minority Health; (3 credits) Grade Method: REG/P-F.
Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.

0101	Mary Garza W 4:00pm - 6:45pm	Seats (Total: 125) CHM 1402

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations. Recommended for junior and senior women.

0101	Sylvette La Touche-Howard MWF 9:00am - 9:50am	Seats (Total: 125) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH420. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Sylvette La Touche-Howard MW 11:00am - 12:15pm	Seats (Total: 20) SPH 0301
0201	Tracy Zeeger MW 12:30pm - 1:45pm	Seats (Total: 20) SPH 0301
0301	Tracy Zeeger TuTh 12:30pm - 1:45pm	Seats (Total: 20) SPH 1242A

0401	Tracy Zeeger TuTh 2:00pm - 3:15pm	Seats (Total: 20) SPH 0305
0501	Tracy Zeeger TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0303
0601	Sylvette La Touche-Howard MW 2:00pm - 3:15pm	Seats (Total: 20) EGR 3114

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
Prerequisite: HLTH490. Restriction: Must be in Community Health program.
Integrating theory with practice in a community health setting. Class will meet on Wednesdays (September 3, September 24, November 5, December 3) in PLS1140 from 1:00-3:30pm. For additional information, please contact the instructor.

0101	Instructor: TBA W 1:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 100) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits)
Grade Method: REG/P-F/AUD.
Restriction: Must be a major within SPHL-Behavioral and Community Health Department.

0101	Geoffrey Gilbert M 3:00pm - 5:45pm	Seats (Total: 30) SPH 0107

HLTH498P **Special Topics in Health; Pregnancy Counseling**
Contact department for information to register for this course.

HLTH606 **Foundations of Public Health Education and Policy**

HLTH606 Foundations of Public Health Education and Policy; (3 credits) Grade Method: REG.
Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.

0101	Craig Fryer Tu 4:00pm - 6:45pm	Seats (Total: 25) CSS 2416

HLTH653 **Quantitative Research Methods II in Public Health**

HLTH653 Quantitative Research Methods II in Public Health; (3 credits) Grade Method: REG.
Prerequisite: HLTH652. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Credit only granted for: HLTH653 or HLTH688T. Formerly: HLTH688T. Intermediate and advanced statistics and procedures in health-related research for doctoral students with the focus on applications of these statistical methodological methods to public health research.

0101	Min Wang Tu 4:00pm - 6:45pm	Seats (Total: 10) CSS 0201

HLTH665 **Health Behavior I**

HLTH665 Health Behavior I; (3 credits) Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Donna Howard M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688D **Special Problems in Health Education; Advanced Topics in Impaired Driving Research**

HLTH688D Special Problems in Health Education: Advanced Topics in Impaired Driving Research; (1-6 credits) Grade Method: REG/AUD.

0101	Kenneth Beck M 4:00pm - 6:45pm	Seats (Total: 10) SPH 2234CC

HLTH710 **Methods and Techniques of Research**

HLTH710 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
For Health majors only.

0101	Kenneth Beck W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308

HLTH712 **Applied Research Methods in Behavioral and Community Health**

HLTH712 Applied Research Methods in Behavioral and Community Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH710. Designed to build on the research skills obtained in HLTH710 and other fundamental research methods and statistics courses. Methods and problems that are commonly encountered in health education research will be discussed including examination of actual research studies. Complex behavioral research issues will be addressed with existing research data sets. With these data sets, students will develop an analytic plan and conduct data analysis.

0101	Bradley Boekeloo W 4:00pm - 6:45pm	Seats (Total: 15) PLS 1158

HLTH776 **Community Health Program Evaluation**

HLTH776 Community Health Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH710 and HLTH774. Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or permission of instructor. Credit only granted for: HLTH775 or HLTH774 and HLTH776. Formerly: HLTH775. An application of basic research methods, and the evaluation of community health programs. Students will evaluate the effectiveness of a community health intervention.

0101	Amelia Arria	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 0307

HLTH785 **Internship in Public Health**

HLTH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH665, HLTH775, and HLTH780; or permission of SPHL-Behavioral & Community Health department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals. Meets: September 8, October 6, December 8.

0101	Anne Anderson-Sawyer, Elbert Glover	Seats (Total: 15)
	M 7:00pm - 9:00pm	SPH 0302
	Contact instructor or department for details.	

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Fall 2014

HONR100 **Honors Colloquium**

HONR100 Honors Colloquium; (1 credit) Grade Method: REG.
Restriction: Permission of University Honors Program. Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person. HONR100 is restricted to first semester University Honors students only.

0101	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) HBK 1108
0102	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) HBK 0123
0103	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) WDS 1127

0104	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) KEY 0117
0105	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) HAG 1125
0106	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) HAG 1112
0107	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) BPS 1232
0108	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) LPA 1125
0109	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) ANA 0103
0110	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) HBK 1112
0111	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) PLS 1117
0112	Liza Lebrun M 4:00pm - 5:30pm	Seats (Total: 15) PLS 1176
0201	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) WDS 1130
0202	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) TLF 1103
0203	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) ANA 0103
0204	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) ASY 3215
0205	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) HAG 1125

0206	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) HAG 1112
0207	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) BPS 0283
0208	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) HBK 1108
0209	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) JMZ 2207
0210	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) LPA 0124
0211	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) KEY 0123
0212	Liza Lebrun Tu 3:30pm - 4:45pm	Seats (Total: 15) KEY 0120
0301	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) JMZ 2120
0302	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) HAG 1125
0303	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) HAG 1112
0304	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) LPA 1124
0305	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) HBK 1112
0306	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) LPA 0124
0307	Liza Lebrun W 4:00pm - 5:30pm	Seats (Total: 15) PLS 1113

0308	Liza Lebrun	Seats (Total: 15)
	W 4:00pm - 5:30pm	HBK 1108

HONR208K **Honors Seminar; Does the Museum Need Killer App? An Institution and its Search for 21st Century Relevance**

HONR208K Honors Seminar: Does the Museum Need Killer App? An Institution and its Search for 21st Century Relevance; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Henry Gregory	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	ASY 4213

HONR208L **Honors Seminar; Justice Matters: Law, Literature, and Film**

HONR208L Honors Seminar: Justice Matters: Law, Literature, and Film; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Sara Schotland	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1146

HONR208M **Honors Seminar: Utopia and Dystopia: Reality and Relevance**

HONR208M Honors Seminar: Utopia and Dystopia: Reality and Relevance; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Sara Schotland	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	WDS 1127

HONR208P **Honors Seminar; Tolkien: Mythmaker for our Times**

HONR208P Honors Seminar: Tolkien: Mythmaker for our Times; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Michelle Butler	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0120

HONR208R **Leonardo and the Science of Art**

HONR208R Leonardo and the Science of Art; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Meredith Gill	Seats (Total: 20)
	Th 2:00pm - 4:30pm	ASY 4213

HONR208X **Honors Seminar; Contemporary Literature, Media, and the State**

HONR208X Honors Seminar: Contemporary Literature, Media, and the State; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Linda Kauffman	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TWS 3132

HONR209O **The Science of Sleep and Biological Rhythms**

HONR209O The Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.

0101	David Yager	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 2416

HONR209W **Honors Seminar; War Stories: Personal Narraties, Fiction, and Film**

HONR209W Honors Seminar: War Stories: Personal Narraties, Fiction, and Film; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Sara Schotland	Seats (Total: 20)
	Th 2:00pm - 4:30pm	HBK 0109

HONR209Y **Novels! Modern Fictions**

HONR209Y Novels! Modern Fictions; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0103

HONR217 **Life, The Multiverse and Everything: Developing an Individual Cosmovision**

HONR217 Life, The Multiverse and Everything: Developing an Individual Cosmovision; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
In this Honors seminar, students pursue personal cosmologies in light of our contemporary core "Western" scientific world-view and a selection of other ancient and indigenous cosmographies for comparison including those of Mesoamerica, the Inca, the Egyptians or the Chinese.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124

HONR218I **Honors Seminar; Happiness and Human Nature**

HONR218I Honors Seminar: Happiness and Human Nature; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Susan Dwyer MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR218J **Honors Seminar; Sustainability and Development: From the Individual to the Global**

HONR218J Honors Seminar: Sustainability and Development: From the Individual to the Global; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) SYM 0215

HONR218K **Honors Seminar; Behavior of the Rich and Powerful, Past and Present**

HONR218K Honors Seminar: Behavior of the Rich and Powerful, Past and Present; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Joseph Falvo	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2125

HONR218L **Honors Seminar: Language and Mind**

HONR218L Honors Seminar: Language and Mind; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Valentine Hacquard	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MMH 1304

HONR218M **Honors Seminar; Elements of Music Composition for Non-Majors**

HONR218M Honors Seminar: Elements of Music Composition for Non-Majors; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.

0101	William Evans	Seats (Total: 16)
	Tu 3:30pm - 6:00pm	PAC 1108

HONR218T **Honors Seminar; Political Theater: On Stage and in Washington**

HONR218T Honors Seminar: Political Theater: On Stage and in Washington; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Nelson Pressley	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	ANA 0120

HONR218X **Honors Seminar; Fighting Slavery**

HONR218X Honors Seminar: Fighting Slavery; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Richard Bell	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TLF 2103

HONR218Z **Honors Seminar; Contemporary American Culture and Its Insecurities: A European Perspective**

HONR218Z Honors Seminar: Contemporary American Culture and Its Insecurities: A European Perspective; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3136

HONR219O **Honors Seminar; Mathematics of Games and Puzzles**

HONR219O Honors Seminar: Mathematics of Games and Puzzles; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.

0101	Justin Wyss-Gallifent TuTh 12:30pm - 1:45pm	Seats (Total: 20) ARC 1103

HONR228T **Honors Seminar; Journalism and Peace**

HONR228T Honors Seminar: Journalism and Peace; (3 credits) Grade Method: REG.

0101	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) CHE 2116

HONR229F **Honors Seminar; New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Leslie Walker MW 2:00pm - 3:15pm	Seats (Total: 18) KNI 2103

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

0101	Korey Rothman Tu 2:00pm - 4:30pm	Seats (Total: 20) ANA 0120

HONR238C **The Future of Energy and Climate Policy**

HONR238C The Future of Energy and Climate Policy; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Tyson Slocum W 3:00pm - 5:30pm	Seats (Total: 20) CHM 1228

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

0101	Korey Rothman MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0121
0201	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ANA 0120

HONR238G **Honors Seminar; The Manhattan Project: A Century of Radioactivity, Nuclear Weapons, and Nuclear Power**

HONR238G Honors Seminar: The Manhattan Project: A Century of Radioactivity, Nuclear Weapons, and Nuclear Power; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences.

0101	William Walters TuTh 2:00pm - 3:15pm	Seats (Total: 20) MTH 0303

HONR238L **Honors Seminar: Engineering in Ancient Empires**

HONR238L Honors Seminar: Engineering in Ancient Empires; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	Denis Sullivan	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	HBK 0123

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	Edwin Smead	Seats (Total: 20)
	M 3:30pm - 6:05pm	TLF 1103

HONR238T **Honors Seminar: The Body and Literature**

HONR238T Honors Seminar: The Body and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ANA 0103

HONR239B **Honors Seminar: New York City and the American Dream**

HONR239B Honors Seminar: New York City and the American Dream; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

0101	Ingrid Satelmajer	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ARC 1125

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

0101	Anne Warren	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ANA 0120

HONR239O **Honors Seminar; Great Physicists of the 20th Century**

HONR239O Honors Seminar: Great Physicists of the 20th Century; (3 credits) Grade Method: REG.

0101	Oscar Greenberg	Seats (Total: 20)
	TuTh 10:00am - 11:15am	PHY 4102

HONR239T **Honors Seminar; The Frankenstein Mythos on Film**

HONR239T Honors Seminar: The Frankenstein Mythos on Film; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Instructor: TBA	Seats (Total: 20)
	Th 2:00pm - 4:45pm	ANA 0103

HONR248H **Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

HONR248H Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

0101	Peter Leone, Pamela Wruble	Seats (Total: 20)
	M 1:00pm - 3:50pm	ANA 0103

HONR249E **Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas**

HONR249E Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

0101	James Fry	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PAC 2168

HONR249L **The Historical Development of London**

Contact department for information to register for this course.

HONR258E **Honors Seminar; Creating the Future through Systemic Thinking and Design**

HONR258E Honors Seminar: Creating the Future through Systemic Thinking and Design; (3 credits) Grade Method: REG.

0101	Jose Suarez	Seats (Total: 20)
	MW 3:30pm - 4:45pm	VMH 1307

HONR258O **Honors Seminar; The Kinesiological Bases of Skilled Perfomance**

HONR258O Honors Seminar: The Kinesiological Bases of Skilled Perfomance; (3 credits) Grade Method: REG.
Students must pay a $45 equipment fee.

0101	Seppo Iso-Ahola	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0303

HONR258T **Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Dean Hebert	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	LPA 0124

HONR258W **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues; (3 credits) Grade Method: REG. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	LPA 0124

HONR268L **Honors Seminar: United States Immigration Issues**

HONR268L Honors Seminar: United States Immigration Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Dorith Grant-Wisdom	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 3205

HONR269P **Honors Seminar; Formulating U.S. Science and Technology Policy**

HONR269P Honors Seminar: Formulating U.S. Science and Technology Policy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.

0101	Henry Lucas	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	VMH 2509

HONR269T **Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Temim Nusraty	Seats (Total: 20)
	Th 6:30pm - 9:00pm	ANA 0120

HONR269V **Honors Seminar; Virus Hunting: Emerging Diseases, Social Controversies and Nano-Technologies**

HONR269V Honors Seminar: Virus Hunting: Emerging Diseases, Social Controversies and Nano-Technologies; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences.

0101	James Culver	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1158

HONR278D **Honors Seminar; National Security Dilemmas**

HONR278D Honors Seminar: National Security Dilemmas; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Daniel Rosenthal M 7:00pm - 9:45pm	Seats (Total: 20) ANA 0120

HONR278G **Honors Seminar; Exploring How Foreign Policy Is Developed**

HONR278G Honors Seminar: Exploring How Foreign Policy Is Developed; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Temim Nusraty M 6:30pm - 9:00pm	Seats (Total: 20) ANA 0103

HONR278I **Honors Seminar; Liberalism, Discontent and Outcasts; Who Is Left Out?**

HONR278I Honors Seminar: Liberalism, Discontent and Outcasts; Who Is Left Out?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	James Glass W 3:30pm - 6:15pm	Seats (Total: 20) TYD 0101

HONR278P **Honors Seminar; Crime and Public Policy**

HONR278P Honors Seminar: Crime and Public Policy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	John Laub, James Lynch Th 2:00pm - 4:30pm	Seats (Total: 20) LEF 2165E

HONR278Q **Honors Seminar; Biodiversity, Global Environmental Change and Their Effects on Human Health**

HONR278Q Honors Seminar: Biodiversity, Global Environmental Change and Their Effects on Human Health; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences.

0101	Karen Lips	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	BPS 1236

HONR278V **Honors Seminar; The Materiality of Diaspora: Invented Identities and Transformed World Views**

HONR278V Honors Seminar: The Materiality of Diaspora: Invented Identities and Transformed World Views; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

0101	Stephen Brighton	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	WDS 0104

HONR279B **Honors Seminar; Social Security in a Changing America**

HONR279B Honors Seminar: Social Security in a Changing America; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Scott Szymendera	Seats (Total: 20)
	M 7:00pm - 9:30pm	LPA 0124

HONR279E **Honors Seminar: Languages of Europe**

HONR279E Honors Seminar: Languages of Europe; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Robert De Keyser	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JMZ 2122

HONR279R **Honors Seminar; Faith and Values in Public Life**

HONR279R Honors Seminar: Faith and Values in Public Life; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Darron Monteiro	Seats (Total: 20)
	TuTh 6:00pm - 7:15pm	KNI 1105

HONR279W **Honors Seminar: The Solar System**

HONR279W Honors Seminar: The Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.

0101	William McDonough, Kristi Engel	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1176

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Glenn Rahmoeller	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1113

HONR288O **Honors Seminar: Why Do Things Fail?**

HONR288O Honors Seminar: Why Do Things Fail?; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	William Fourney	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMP 1109

HONR289A **The Ecology and Evolutionary Biology of Infectious Disease**

HONR289A The Ecology and Evolutionary Biology of Infectious Disease; (3 credits) Grade Method: REG. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.

0101	Benjamin Rosenthal	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 3221

HONR289N **Honors Seminar; Physical Activity in Health and Human Performance: From Fat to Fit to Olympic Gold**

HONR289N Honors Seminar: Physical Activity in Health and Human Performance: From Fat to Fit to Olympic Gold; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	Colleen Farmer	Seats (Total: 20)
	W 2:00pm - 4:30pm	SPH 1303

HONR289T **Rule of Law: The Bedrock of Democracy**

HONR289T Rule of Law: The Bedrock of Democracy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	David Falk	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ANA 0120

HONR348F **Advanced Honors Seminar; Deconstructing Breaking Bad**

HONR348F Advanced Honors Seminar: Deconstructing Breaking Bad; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	Location: TBA
	HONR348F will meet in the Anne Arundel Hall Basement Lounge.	

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG. GenEd: Diversity - Cultural Competency.

0101	Edwin Smead	Seats (Total: 20)
	W 4:00pm - 6:30pm	KEY 0103

HONR348M **Advanced Honors Seminar; Stock Market**

HONR348M Advanced Honors Seminar: Stock Market; (3 credits) Grade Method: REG.

0101	Eric Wish, David McCandlish	Seats (Total: 20)
	Th 2:00pm - 4:50pm	ANA 0120

HONR349I **Honors Colloquium; Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy**

HONR349I Honors Colloquium: Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Robert Grimm	Seats (Total: 40)
	Th 2:00pm - 4:30pm	TLF 1126

HONR349V **Honors Colloquium; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

HONR358A **Honors Practicum**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy	Seats (Total: 25)
	M 2:30pm - 5:00pm	CHE 2116

HONR359L **Honors Workshop; Leading Honors Colloquium**

HONR359L *(PermReq)* **Honors Workshop: Leading Honors Colloquium; (2 credits)** Grade Method: S-F.

0101	Liza Lebrun	Seats (Total: 33)
	Contact instructor or department for details.	

HONR359P **Honors Workshop; Peer Mentor**

HONR359P *(PermReq)* **Honors Workshop: Peer Mentor; (1 credit)** Grade Method: S-F.

0101	Liza Lebrun Tu 6:00pm - 6:50pm	Seats (Total: 20) Location: TBA
0201	Liza Lebrun Th 11:00am - 11:50am	Seats (Total: 20) Location: TBA
0301	Liza Lebrun Th 4:00pm - 4:50pm	Seats (Total: 20) Location: TBA

HONR378I **Advanced Honors Seminar; Innovation**

HONR378I *(PermReq)* **Advanced Honors Seminar: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Wellman Th 6:30pm - 9:10pm	Seats (Total: 6) Location: TBA

HONR378N **Advanced Honors Seminar; Research in Science and Public Policy for the U.S. National Security Agency**

HONR378N *(PermReq)* **Advanced Honors Seminar: Research in Science and Public Policy for the U.S. National Security Agency; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Course meets at the Physical Sciences Complex, room 2148.

0101	Jordan Goodman TuTh 11:00am - 12:15pm	Seats (Total: 20) Location: TBA

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Fall 2014

INAG100 **Introduction to Plant Science**

INAG100 Introduction to Plant Science; (4 credits) Grade Method: REG/AUD.
A general introduction to plant science designed to provide the students with a working knowledge of the fundamental structures and processes of plants. Content includes plant anatomy, physiology, genetics, and environmental relationships.

0101	Kenneth Ingram	Seats (Total: 24)	
	MW 9:00am - 9:50am	JUL 1123	
	F 9:00am - 11:50am	JUL 1123	Lab

INAG102 **Business Operations**

INAG102 Business Operations; (3 credits) Grade Method: REG/AUD.

0101	Meredith Epstein	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	JUL 1123

INAG103 **Agricultural Marketing**

INAG103 Agricultural Marketing; (3 credits) Grade Method: REG/AUD.

0101	Meredith Epstein	Seats (Total: 20)
	F 11:00am - 11:50am	JUL 1105
	MW 11:00am - 11:50am	JUL 1123

INAG106 **Pesticide Use and Safety**

INAG106 Pesticide Use and Safety; (2 credits) Grade Method: REG/AUD.

0101	Ronald Myers	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INAG107 **Turfgrass Management**

INAG107 Turfgrass Management; (3 credits) Grade Method: REG/AUD.

0101	Justin Mathias, Mark Carroll	Seats (Total: 16)	
	Tu 4:00pm - 6:00pm	PLS 1119	
	F 1:00pm - 2:50pm	JUL 1111	Lab

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) ITV 1111
0201	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) JMP 2202
0301	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) ITV 1111
0401	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) CHE 2136
0501	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) JMP 2202
0701	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) JMP 2202
0801	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) CHE 2118
0901	Anthony Pagnotti MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1111
1001	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) CHE 2145
1101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) ITV 1111

1201	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) CHE 2145
1301	Anthony Pagnotti MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0109
1401	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) BPS 1238
1501	Edward Priola MWF 1:00pm - 1:50pm	Seats (Total: 19) ITV 1100
1601	JoEllen Barnhart MWF 1:00pm - 1:50pm	Seats (Total: 19) HBK 0109
1701	Edward Priola MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1172
1801	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 19) MTH 1308
1901	Instructor: TBA MW 3:00pm - 4:15pm	Seats (Total: 19) ASY 3221
2001	JoEllen Barnhart MW 3:00pm - 4:15pm	Seats (Total: 19) KEY 0124
2101	Instructor: TBA MW 4:00pm - 5:15pm	Seats (Total: 19) CHM 0119
2201	JoEllen Barnhart MW 5:00pm - 6:15pm	Seats (Total: 19) CHM 1224
2301	Nina Latassa M 6:00pm - 8:45pm	Seats (Total: 19) JUL 1123
2401	Nina Latassa W 6:00pm - 8:45pm	Seats (Total: 19) JUL 1123
2501	Nina Latassa TuTh 8:00am - 9:15am	Seats (Total: 19) EGR 3106

2601	JoEllen Barnhart TuTh 8:00am - 9:15am	Seats (Total: 19) CHE 2145
2701	Nina Latassa TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0109
2801	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) EGR 3106
2901	JoEllen Barnhart TuTh 9:30am - 10:45am	Seats (Total: 19) EGR 0108
3001	Edward Priola TuTh 11:00am - 12:15pm	Seats (Total: 19) EGR 1110
3101	Anthony Pagnotti TuTh 11:00am - 12:15pm	Seats (Total: 19) TYD 1132
3201	Edward Priola TuTh 12:30pm - 1:45pm	Seats (Total: 19) ITV 1100
3301	Nina Latassa TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0205
3401	Anthony Pagnotti TuTh 2:00pm - 3:15pm	Seats (Total: 19) ITV 1100
3501	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) TYD 0117
3601	Edward Priola TuTh 3:30pm - 4:45pm	Seats (Total: 19) EGR 2116
3701	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) SYM 0209
3801	Instructor: TBA TuTh 5:00pm - 6:15pm	Seats (Total: 19) CHE 2145
3901	Instructor: TBA TuTh 5:00pm - 6:15pm	Seats (Total: 19) KEY 0119

4001	Instructor: TBA Tu 6:00pm - 8:45pm	Seats (Total: 19) CHM 1228

INAG110S **Oral Communication**

INAG110S Oral Communication; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding. Restricted to College Park Scholars.

0601	Anthony Pagnotti MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1111

INAG111 **Written Communication**

INAG111 Written Communication; (3 credits) Grade Method: REG/AUD.

0101	Glori Hyman TuTh 11:00am - 12:15pm	Seats (Total: 25) JUL 1123

INAG123 **Introduction to Sustainable Agriculture**

INAG123 Introduction to Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD.
An introductory courses that provides an overview of the principles and practices of sustainable agriculture. Students explore the economic, social, and environmental impacts of agriculture, and relate the principles of sustainability to various agricultural production practices and systems.

0101	Meredith Epstein Tu 6:00pm - 9:00pm	Seats (Total: 25) JUL 1123

INAG199 **Special Problems**

INAG199 Special Problems; (1-3 credits) Grade Method: REG.

0101	Justin Mathias Contact instructor or department for details.	Seats (Total: 10)
0201	Meredith Epstein Contact instructor or department for details.	Seats (Total: 10)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 10)
0401	Roy Walls Contact instructor or department for details.	Seats (Total: 10)
0501	Meredith Epstein Contact instructor or department for details.	Seats (Total: 10)
0601	Glori Hyman Contact instructor or department for details.	Seats (Total: 10)

INAG199C **Special Problems; Special Problems in AgriScience**

INAG199C Special Problems: Special Problems in AgriScience; (3 credits) Grade Method: REG/P-F/AUD.
Student must be a completer of the high school Curriculum for Agricultural Science Education (CASE) Program. The student will develop and prepare a detailed presentation of their CASE Capstone experience and present it to faculty.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

INAG201 **Personnel Management**

INAG201 Personnel Management; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Ingram TuTh 12:30pm - 1:45pm	Seats (Total: 30) JUL 1123

INAG218 **Landscape Construction**

INAG218 Landscape Construction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Roy Walls	Seats (Total: 12)	
	W 1:00pm - 1:50pm	ANS 0504	
	W 2:00pm - 4:40pm	ANS 0504	

INAG226 **Diseases of Ornamentals and Turf**

INAG226 Diseases of Ornamentals and Turf; (3 credits) Grade Method: REG/AUD. *Recommended: Completion of one of the following is recommended: PLSC 253, PLSC 254, INAG 107, PLSC 305. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture.* The course will cover various topics such as plant pathology, disease control practices, and an in depth coverage of the major diseases of ornamentals and turfgrasses in the Mid-Atlantic region. Emphasis will be placed on identification of disease signs and symptoms. Over 50 diseases will be covered during the semester.

0101	Justin Mathias	Seats (Total: 25)	
	TuTh 9:30am - 10:20am	JUL 1111	
	Th 4:00pm - 6:00pm	JUL 1111	Lab

INAG231 **Insects of Ornamentals/Turfgrass**

INAG231 Insects of Ornamentals/Turfgrass; (3 credits) Grade Method: REG/AUD.

0101	Justin Mathias	Seats (Total: 18)	
	MW 9:00am - 9:50am	JUL 1111	
	M 4:00pm - 5:50pm	JUL 1111	Lab

INAG237 **Surveying and Applications in Agriculture**

INAG237 Surveying and Applications in Agriculture; (3 credits) Grade Method: REG/AUD.
Prerequisite or corequisite: INAG101.

0101	Roy Walls	Seats (Total: 10)	
	W 10:00am - 10:50am	ANS 0509	
	F 10:00am - 10:50am	ANS 0509	
	F 11:00am - 12:50pm	ANS 0509	Lab

INAG240 **Professional Development**

INAG240 Professional Development; (1 credit) Grade Method: REG. Prerequisite or corequisite: INAG299A.

0101	Glori Hyman	Seats (Total: 20)	
	M 2:00pm - 3:50pm	JUL 1123	

INAG242 **Golf Course Design and Construction**

INAG242 Golf Course Design and Construction; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

0101	Kenneth Ingram	Seats (Total: 25)	
	M 1:00pm - 1:50pm	JUL 1123	
	W 2:00pm - 4:50pm	JUL 1123	Lab

INAG250 **Fundamentals of Agricultural Mechanics**

INAG250 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of AGNR-Institute of Applied Agriculture department. Also offered as: PLSC204, PLSC204. Credit only granted for: ENBE200 or PLSC204 or INAG250. Formerly: ENBE200. Additional information: Priority given to IAA majors and AGNR students whose major requires this course. Permission will be granted to other students on seats available basis. A comprehensive course that teaches the fundamentals of agricultural related mechanics. Lecture and lab exercises will cover the broad range of topics associated with agricultural mechanics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation including development of safety protocols for each area of study and introduction of GPS equipment and software for survey data collection.

0101	Roy Walls	Seats (Total: 10)	
	TuTh 9:00am - 9:50am	ANS 0504	
	TuTh 10:00am - 11:50am	ANS 0504	Lab
0201	Roy Walls	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	ANS 0504	
	TuTh 2:00pm - 3:50pm	ANS 0504	Lab

INAG299A **Supervised Work Experience; Internship I**

INAG299A Supervised Work Experience: Internship I; (1 credit) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**

INAG299B Supervised Work Experience: Internship II; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM Information Management Fall 2014

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Instructor: TBA W 6:00pm - 8:45pm	Seats (Total: 30) PLS 1111
SG01	Jessica Vitak Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Restriction: Must not have completed LBSC690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Jimmy Lin Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Vera Rhoads Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 1112
SG01	Howard Killam M 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4226

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Vikas Sahasrabudhe M 6:00pm - 8:45pm	Seats (Total: 30) PLS 1111
SG01	Taverekere Srikantaiah Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603; or permission of instructor. Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

SG01	Katy Lawley W 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4215

INFM714 **Principles of Competitive Intelligence**

INFM714 Principles of Competitive Intelligence; (3 credits) Grade Method: REG/AUD.
Credit only granted for: INFM714 or INFM718W. Formerly: INFM718W. Intelligence process and how to build business advantage by the collection and analysis of the capabilities, vulnerabilities, market positioning and strategic planning of competitors using open source information.

0101	Taverekere Srikantaiah Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

INFM718V **Selected Topics in Information Management; Organizational and Business Process Modeling**

INFM718V Selected Topics in Information Management: Organizational and Business Process Modeling; (3 credits) Grade Method: REG/AUD.

SG01	Vedat Diker Tu 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4216

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM736 **Information Management Experience**

INFM736 Information Management Experience; (3 credits) Grade Method: S-F.
Prerequisite: INFM600; and INFM612; and INFM605; and INFM603. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Information issues within organizational frameworks. Integrated experiential learning opportunity.

SG01	Instructor: TBA Class time/details on ELMs	Seats (Total: 30) ONLINE

INFM737 **Information Management Capstone Experience**

INFM737 Information Management Capstone Experience; (3 credits) Grade Method: S-F.
Prerequisite: INFM736; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Additional information: Taken near the end of student's program. In-depth problem analysis and resolution. Capstone project.

0101	Instructor: TBA M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

INFM743 **Development of Internet Applications**

INFM743 Development of Internet Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or LBSC690; or students who have taken courses with comparable content may contact the department. Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.

0101	Instructor: TBA Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109

INFM799 **Master's Thesis Research**

INFM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST Information Studies Fall 2014

INST603 **Systems Analysis and Design**

INST603 Systems Analysis and Design; (3 credits) Grade Method: REG/AUD. *Credit only granted for: INST603, LBSC603, or INFM613. Formerly: INFM613* Formal process for planning and designing an information technology system, including identifying users and other stakeholders, analyzing work processes, preparing system specifications, conducting feasibility and usability studies, and preparing for implementation. Approaches to analyzing system components and functions. Measurement and evaluation of system performance.

0101	Ping Wang	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 0103

INST610 **Information Ethics**

INST610 Information Ethics; (3 credits) Grade Method: REG/AUD. *Credit only granted for: INFM718Q, INST610, or LBSC708I. Formerly: INFM718Q and LBSC708I.* Investigation of the diverse range of ehtical challanges facing society in the information age. Ethical theories, including non-Western and feminist theories. Application of theories to information ethics issues. Restricted to LBSO students only.

ML01	Katie Shilton	Seats (Total: 0)
	Class time/details on ELMs	ONLINE

INST613 **Information and Human Rights**

INST613 Information and Human Rights; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST728B or INST613. Formerly: INST728B.* An examination of information as a human right, including topics: social, cultural, economic, legal, and political forces shaping information rights; the impact of information rights on information professions, standards, and cultural institutions; and information rights and disadvantaged populations.

0101	Paul Jaeger	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	PLS 1111

INST630 **Introduction to Programming for the Information Professional**

INST630 Introduction to Programming for the Information Professional; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. An introduction to computer programming intended for students with no previous programming experience. Topics include fundamentals of programming and current trends in user interface implementation that are relevant to information professionals.

0101	Instructor: TBA M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

INST632 **Human-Computer Interaction Design Methods**

INST632 Human-Computer Interaction Design Methods; (3 credits) Grade Method: REG/AUD.
Methods of user-centered design, including task analysis, low-tech prototyping, user interviews, usability testing, participatory design, and focus groups.

0101	Marshini Chetty Th 6:00pm - 8:45pm	Seats (Total: 20) HBK 0123

INST640 **Principles of Digital Curation**

INST640 Principles of Digital Curation; (3 credits) Grade Method: REG/AUD.
Corequisite: Completion or concurrent registration for LBSC602 or INFM600 and either LBSC671 or INFM603 or permission of the instructor. Restriction: Permission of INFO-College of Information Studies. Principles for the design and implementation of long-term curation of digital data and information assets, including born-digital and digitized assets. Frameworks for analysis of technical, practical, economic, legal, social and political factors affecting digital curation decisions. Case studies of specific digital curation scenarios.

0101	Ricardo Punzalan Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0108

INST643 **Curation in Cultural Institutions**

INST643 Curation in Cultural Institutions; (3 credits) Grade Method: REG. *Restriction: Permission of INFO-College of Information Studies.* An overview of the principles, practices, and current debates in the management, care and representation of digital artifacts in libraries, archives, and museums.

0101	Instructor: TBA Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INST660 **21st Century Leadership**

INST660 21st Century Leadership; (3 credits) Grade Method: REG/AUD. *Recommended: INFM612 or LBSC635. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST660, LBSC708F or INFM718F.* Using a combination of research, literature and current practice, the course explores topics basic to the understanding and practice of leadership.

SG01	Ann Prentice Class time/details on ELMs	Seats (Total: 20) ONLINE

INST706 **Project Management**

INST706 Project Management; (3 credits) Grade Method: REG/AUD. *Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.* Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.

0101	Vikas Sahasrabudhe W 6:00pm - 8:45pm	Seats (Total: 30) BPS 1236
SG01	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 20) ONLINE

INST709 **Independent Study**

INST709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

INST714 **Information for Decision-Making**

INST714 Information for Decision-Making; (3 credits) Grade Method: REG/AUD. *Credit only granted for: INFM718A, INST714 or LBSC705. Formerly: INFM718A and LBSC705.* The use of information in organizational and individual decision-making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

0101	Susan Winter	Seats (Total: 30)
	W 2:00pm - 4:45pm	HBK 0115

INST733 **Database Design**

INST733 Database Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC690; and permission of INFO-College of Information Studies. Credit only granted for: INST733 or LBSC793. Formerly: LBSC793.* Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

SG01	Philip Piety	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	BLD3 4220

INST734 **Information Retrieval Systems**

INST734 Information Retrieval Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC671 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST734 or LBSC796. Formerly: LBSC796.* Principles of organizing and providing access to information using automated information storage and retrieval systems. Retrieval systems models, index language selection, data structure, user interfaces, and evaluation for text and multimedia applications.

SG01	Douglas Oard	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

INST735 **Computational Linguistics I**

INST735 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department. Restriction: Permission of INFO-College of Information Studies. Also offered as: CMSC723, LING723. Credit only granted for: CMSC723, LING723, or INST735.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 2120

INST737 **Digging Into Data**

INST737 Digging Into Data; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC690, LBSC671, or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.* An exploration of some of the best and most general approaches to get the most information out of data through clustering, classification, and regression techniques.

0101	Instructor: TBA	Seats (Total: 30)
	Th 6:00pm - 8:45pm	PLS 1111

INST799 **Master's Thesis Research**

INST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0501	Allison Druin	Seats (Total: 5)
	Contact instructor or department for details.	
0801	Douglas Oard	Seats (Total: 3)
	Contact instructor or department for details.	

1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
2201	Leah Findlater Contact instructor or department for details.	Seats (Total: 5)
4101	Jon Froehlich Contact instructor or department for details.	Seats (Total: 5)
4201	Ben Shneiderman Contact instructor or department for details.	Seats (Total: 5)
4301	Ben Bederson Contact instructor or department for details.	Seats (Total: 5)

INST800 **The Engaged Intellectual: An Introduction to Research and Academic Work**

INST800 The Engaged Intellectual: An Introduction to Research and Academic Work; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. An introduction to the academic life with a particular focus on what it means to undertake research, teaching, and service. Restricted to Doctoral Students.

0101	June Ahn M 6:00pm - 8:45pm	Seats (Total: 20) HBK 4113

INST809 **Individualized Teaching Experience**

INST809 Individualized Teaching Experience; (3-5 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST810 **Individual Research Experience**

INST810 Individual Research Experience; (3 credits) Grade Method: REG/AUD.
Credit only granted for: INST810 or LBSC810. Formerly: LBSC810. Pre-candidacy individual research experience directed by a faculty member.

0201	Jimmy Lin Contact instructor or department for details.	Seats (Total: 5)

0501	Allison Druin Contact instructor or department for details.	Seats (Total: 5)
0801	Douglas Oard Contact instructor or department for details.	Seats (Total: 5)
1101	Paul Jaeger Contact instructor or department for details.	Seats (Total: 5)
1201	June Ahn Contact instructor or department for details.	Seats (Total: 5)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
1601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2101	Katie Shilton Contact instructor or department for details.	Seats (Total: 5)
2401	Jessica Vitak Contact instructor or department for details.	Seats (Total: 5)
2701	Mega Subramaniam Contact instructor or department for details.	Seats (Total: 5)
4501	Tamara Clegg Contact instructor or department for details.	Seats (Total: 5)

INST888 **Doctoral Seminar**

INST888 Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Leah Findlater Th 2:00pm - 4:45pm	Seats (Total: 15) HBK 4115

INST898 **Pre-Candidacy Research**

INST898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

INST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ISRL Israel Studies Fall 2014

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel: History and Society**
Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**
Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**
Contact department for information to register for this course.

ISRL249F **Selected Topics in Israel Studies; Alternative Voices in Israeli Media and Popular Culture**

ISRL249F Selected Topics in Israel Studies: Alternative Voices in Israeli Media and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as JWST289F. Credit granted for ISRL249F or JWST289F. This course examines aspects of Yiddish studies, Arab-Hebrew literature, and Israeli cultural politics in approach to disparate voices in Israeli culture, taking a multicultural approach to Israeli cultural history. It includes the study of literature, critical articles, films, and television.

0101	Adi Mahalel	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	SQH 1103

ISRL282 **Introduction to Israeli Cinema**

ISRL282 Introduction to Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
An overview of Israeli cinema, with attention to the distinctive themes, politics, and problems that distinguish Israeli film-making. Taught in English. Also offered as FILM299I. Credit granted for ISRL282 or FILM299I.

0101	Eric Zakim TuTh 9:30am - 10:45am	Seats (Total: 40) HBK 0302J	

ISRL289I **The Israeli/Palestinian Conflict: Fundamental Questions**

ISRL289I The Israeli/Palestinian Conflict: Fundamental Questions; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Why are Palestinians and Israelis unable to resolve their conflict? Will they ever? Using insights and methodologies from a variety of disciplines and contrasting interpretations of history, this course will examine why the Palestinian-Israeli conflict continues, why it has become so central in world politics and how it connects with other global issues.

0101	Paul Scham MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 20) SQH 1120 SQH 1105	 Discussion
0102	Paul Scham MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 SQH 1123	 Discussion
0103	Paul Scham MW 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 20) SQH 1120 SQH 1101	 Discussion
0104	Paul Scham MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1107	 Discussion

ISRL342 **History of Modern Israel**

ISRL342 History of Modern Israel; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - History and Social Sciences.
Also offered as: HIST376. Credit only granted for: HIST376, ISRL342, or JWST342. Formerly: JWST342. History of modern Israel since the beginning of the Zionist settlement in 1882. Attention to different interpretations and narratives of Israel's history, including the historical and ideological roots of Zionism, the establishment of the State of Israel, ideological forces, wars, and the triumphs and crises of democracy.

0101	Yoram Peri	Seats (Total: 60)
	MW 3:30pm - 4:45pm	SQH 1120

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**
Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

ISRL349K **Investigating Topics in Israel Studies; Theories of Immigration: Israel as a Case Study**

ISRL349K Investigating Topics in Israel Studies: Theories of Immigration: Israel as a Case Study; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT368G and SOCY398I. Credit will be granted for one of the following ISRL349K or SOCY398I. Over 90% of Israel's Jewish population is made of first, second or third generation immigrants, who came from over 70 countries, making Israel an ultimate immigrant society. This course will focus on the history of Israel as a case study for the understanding of the historical phenomena of modern immigration.

0101	Pnina Peri	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1121

ISRL349W **Investigating Topics in Israel Studies; Gender and Migration: Global Trends and the Israeli Case**

ISRL349W Investigating Topics in Israel Studies: Gender and Migration: Global Trends and the Israeli Case; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498F and SOCY398F. Credit will be granted for ISRL349W, SOCY398F or WMST498F. Increased migration, particularly among women, is one of the most discussed aspects of present-day globalization. Yet the discourse about migration both in the media and within academia is still often gender-blind. Through historical and sociological literature this course will critically survey the impact of gender on migration and its relations to ethnicity and race.

0101	Pnina Peri	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1121

ISRL349Y **Investigating Topics in Israel Studies; Israel and its Neighbors: Heritage, Politics and Archaeology**

ISRL349Y Investigating Topics in Israel Studies: Israel and its Neighbors: Heritage, Politics and Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH368Y. Credit will be granted for ANTH368Y or ISRL 349Y. An exploration of the cultural heritage of Ancient Israel and its neighbors and the influence of that heritage on Modern Middle Eastern religious, ethnic, racial and national identities.

0101	Sandra Scham	Seats (Total: 40)
	MW 3:30pm - 4:45pm	SQH 1101

ISRL349Z **Investigating Topics in Israel Studies; Beyond Black and White: Jews and Representations of Race**

ISRL349Z Investigating Topics in Israel Studies: Beyond Black and White: Jews and Representations of Race; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as JWST319M. Credit will be granted for ISRL349Z or JWST 319M. An examination of Western constructions and representations of 'race' from medieval times to the modern rise of Zionism and the founding of Israel, with a focus on how Jews utilized the racial discourses of each period to negotiate their position within Western history.

0101	Shirelle Doughty	Seats (Total: 40)
	MW 3:30pm - 4:45pm	TYD 1114

ISRL369C **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**
Contact department for information to register for this course.

ISRL448J **Seminar in Israel Studies; Law, National Security, and Terror: Israeli Perspectives**

ISRL448J Seminar in Israel Studies: Law, National Security, and Terror: Israeli Perspectives; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSST338J and GVPT368F. Credit will be granted for BSST 338J, GVPT368F or ISRL448J. Since its establishment in 1948, Israel has gained considerable experience in dealing with the complex relationship between law and the fight against terrorism. This seminar will present Israeli perspectives on dilemmas that the Western world as a whole is concerned with, arising from the need to find a balance between national security, democracy, and human rights.

0101	Instructor: TBA Th 3:00pm - 5:30pm	Seats (Total: 30) LEF 2166

ISRL448N **Seminar in Israel Studies; Battle of the Narratives**

ISRL448N Seminar in Israel Studies: Battle of the Narratives; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448N. Credit granted for ISRL448N or HIST428W. The history of the Israeli-Palestinian conflict and how it is influenced by the narratives of each side. Part of the course will be interactive through distance learning technology with a parallel course at Tel Aviv University taught by a professor there.

0101	Instructor: TBA MW 9:00am - 10:50am	Seats (Total: 15) SQH 1107

ITAL Italian Fall 2014

ITAL103 **Intensive Elementary Italian**

ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 15) JMZ 0120 JMZ 1103
0201	Maria Fleri TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 15) JMZ 3118 PLS 1113
0301	Maria Fleri TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3118 PLS 1113
0401	Margherita Morando MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 15) JMZ 0118 JMZ 0122

ITAL121 **Accelerated Italian I**
Contact department for information to register for this course.

ITAL121H **Accelerated Italian I**
Contact department for information to register for this course.

ITAL122 **Accelerated Italian II**
Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**
Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 15) JMZ 2123 PLS 1146
0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 15) JMZ 3120 JMZ 2117

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Margherita Morando MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1120

ITAL207 **Reading and Writing in Italian**

ITAL207 Reading and Writing in Italian; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian. Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Stefania Amodeo MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2123

ITAL211 **Intermediate Conversation**

ITAL211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian. Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 3120

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**
Contact department for information to register for this course.

ITAL301 **Italian Composition**

ITAL301 Italian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department. Techniques of composition; grammatical analysis; various genres; vocabulary.

0101	Margherita Morando	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 1120

ITAL306 **Commercial Italian I**
Contact department for information to register for this course.

ITAL361 **Survey of Italian Society and Culture: From Fascism to the Seventies**

ITAL361 Survey of Italian Society and Culture: From Fascism to the Seventies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207. Development of Italian society and culture from Fascism to the 1970s. Literature, cinema, economy, popular culture, and daily life. Taught in Italian.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2125

ITAL369W **Special Topics in Study Abroad III; Composition and Style**
Contact department for information to register for this course.

ITAL386 **Experiential Learning**

ITAL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL399R **Directed Study in Italian; Readings in Italian**

ITAL399R Directed Study in Italian: Readings in Italian; (3 credits) Grade Method: REG/P-F/AUD.

0101	Margherita Morando	Seats (Total: 5)
	M 3:00pm - 3:50pm	JMZ 1224
	WF 3:00pm - 3:50pm	JMZ 2120

ITAL399V **Directed Study in Italian; Voices of Italy**

ITAL399V Directed Study in Italian: Voices of Italy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Margherita Morando	Seats (Total: 5)
	Contact instructor or department for details.	

ITAL411 **Dante in Translation**

ITAL411 Dante in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ITAL411 or ITAL412. Dante's thought as expressed in his major writings: The Vita Nuova, De Monarchia and The Divine Comedy. Taught in English.

0101	Joseph Falvo MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0205

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL436 **Italian Cinema I: Neorealism**

ITAL436 Italian Cinema I: Neorealism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FILM441. Credit only granted for: FILM441 or ITAL436. Explores representations of Italy in cinema with special focus on identity formation and the movement of Italian neorealism and post neorealism. Taught in English.

0101	Mauro Resmini M 2:00pm - 5:00pm W 2:00pm - 3:15pm	Seats (Total: 25) HBK 0302H JMZ 0220

ITAL471 **Italian Cinema: A Cultural Approach in Translation**
Contact department for information to register for this course.

ITAL478C **Colloquium in Italian; Cinema**

ITAL478C Colloquium in Italian: Cinema; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL436.

0101	Mauro Resmini W 3:30pm - 4:20pm	Seats (Total: 10) JMZ 0205

ITAL478D **Colloquium in Italian; Dante in Translation**

ITAL478D Colloquium in Italian: Dante in Translation; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL411.

0101	Federica Deigan	Seats (Total: 10)
	W 12:00pm - 12:50pm	JMZ 1103

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: 4 courses from ITAL400-499 course range; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499T **Special Topics in Italian Studies; Italian Cities: History through Urban Form**
Contact department for information to register for this course.

ITAL499V **Special Topics in Italian Studies; Italian Comedy on Stage and Screen**
Contact department for information to register for this course.

JAPN Japanese Fall 2014

JAPN101 **Elementary Japanese I**

JAPN101 Elementary Japanese I; (6 credits) Grade Method: REG. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.* Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana). This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Etsuko Yamakita MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 16) JMZ 1122 JMZ 0118
0301	Etsuko Yamakita MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 16) JMZ 1122 JMZ 0118
0501	Etsuko Yamakita, Samuel Ramsey MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 16) JMZ 2125 JMZ 2117

JAPN201 **Intermediate Japanese I**

JAPN201 Intermediate Japanese I; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Minimum grade of C- in JAPN102; or or appropriate Foreign Language Placement Test (FLPT) score. Contemporary spoken and written Japanese.

0201	Kumiko Akikawa MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 0118
0301	Kumiko Akikawa MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0118

JAPN301 **Advanced Japanese I**

JAPN301 Advanced Japanese I; (6 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN202; or permission of instructor. Advanced conversation, oral comprehension, and selected readings.

0201	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 0125
0301	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0125

JAPN314 **Edo Text and Context: Origins of Japanese Popular Culture**

JAPN314 Edo Text and Context: Origins of Japanese Popular Culture; (3 credits)
Grade Method: REG/P-F/AUD.
Intensive reading of various genres of literary and historical texts from the early modern (Edo/Tokugawa) period, read in English translation. Taught in English.

0101	Satoko Naito	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 2206

JAPN386 **Experiential Learning**

JAPN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

JAPN402 **Readings in Japanese Cultural Studies**

JAPN402 Readings in Japanese Cultural Studies; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.
Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn from the fields of history, social sciences, cultural studies, film studies, and popular culture.

0101	Satoko Naito	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1122

JAPN438P **Topics in Japanese Pragmatics; Speech Acts and Politeness in Japanese and English**

JAPN438P Topics in Japanese Pragmatics: Speech Acts and Politeness in Japanese and English; (3 credits) Grade Method: REG/P-F.
Prerequisite: JAPN 201 Familiarizes students with fundamental topics in the field of pragmatics (the study of language use in context) such as deixis and indexicality, reference and inference, presupposition and implicature, politeness, and speech act theory. Readings, class discussions, and homework assignments will initially introduce basic concepts through English examples, and then apply them to Japanese. (All required readings are in English, though optional readings may be made available in Japanese.) After students develop an understanding of these concepts, we will discuss a range of speech acts (e.g., greetings, apologies, requests, invitations, refusals, and hedges).

0101	Lindsay Yotsukura	Seats (Total: 20)
	M 2:00pm - 3:15pm W 2:00pm - 3:15pm	JMZ 3205 JMZ 1120

JAPN499 **Directed Study in Japanese**

JAPN499 *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Fall 2014

JOUR106 **Introduction to Studio Production**

JOUR106 Introduction to Studio Production; (1 credit) Grade Method: REG/P-F/AUD.
Additional information: Course does not count toward a Journalism degree. Students will participate in various production roles to assist in the production of UMTV shows.

0101	Manny Fantis	Seats (Total: 14)
	Meets September 2, 2014 - October 20, 2014	
	M 7:00pm - 8:50pm	TWS 0117

0201	Manny Fantis **Meets October 28, 2014 - December 12, 2014** M 7:00pm - 8:50pm	Seats (Total: 14) TWS 0117

JOUR130 **Self-Presentation in the Age of YouTube**

JOUR130 Self-Presentation in the Age of YouTube; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285. Additional information: May not count toward the Journalism major.
Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube. Restricted to New Freshman only.

0101	Kelly Stepno MW 9:30am - 10:45am	Seats (Total: 20) KNI 1105
FC01	Renee Poussaint TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KNI 1105

JOUR150 **Introduction to Mass Communication**
Contact department for information to register for this course.

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
Additional information: Not applicable toward journalism major. An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 JMP 2202	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 TYD 1108	Discussion
0301	Instructor: TBA Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 WDS 1114	Discussion
0401	Instructor: TBA Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1115	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 EDU 3233	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 SYM 0209	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1146	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1115	Discussion

JOUR181 **Grammar for Journalists**

JOUR181 *(PermReq)* **Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD.

Credit only granted for: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism. Non-journalism majors should contact the College of Journalism at (301)405-2399 for permission to register.

0101	Linda Coleman Tu 8:30am - 9:20am	Seats (Total: 85) KEY 0106
FC01	Collin Lam F 11:00am - 11:50am *Restricted to students in Freshman Connection.*	Seats (Total: 35) EDU 1121

JOUR181U **Grammar for Journalists**

JOUR181U *(PermReq)* **Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD.

Credit only granted for: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism. Restricted to New Freshman only.

0101	Linda Coleman Tu 8:30am - 9:20am	Seats (Total: 130) KEY 0106

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 40)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology. Non-journalism majors should contact the College of Journalism at (301) 405-2399 for permission to register.

0401	Saranaz Abdollahzadeh Barforoush TuTh 5:00pm - 6:15pm	Seats (Total: 30) KNI 3202
0501	Justin Hudson TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1208
FC01	Tamara Cooke Henry TuTh 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 34) KNI 1208

JOUR200U **Journalism History, Roles and Structures**

JOUR200U *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology. Restricted to New Freshman only.

0101	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105
0201	Saranaz Abdollahzadeh Barforoush TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0301	Kalyani Chadha TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 3202
0601	Justin Hudson TuTh 9:30am - 10:45am	Seats (Total: 30) KNI 1208

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

0201	Tamara Cooke Henry MW 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0401	Merrilee Cox MW 5:00pm - 6:50pm	Seats (Total: 18) KNI 2103
0501	Tamara Cooke Henry MW 8:00am - 9:50am	Seats (Total: 18) KNI 2103
0601	Steven Overly MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Copy editing, graphic principles and processes, new media technology.

0101	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 2105
0301	Diana Huffman TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 1101

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G. Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Timothy Jacobsen F 9:00am - 11:45am	Seats (Total: 18) KNI 2105
0201	Jaclyn Borowski Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0301	Timothy Jacobsen W 4:15pm - 7:00pm	Seats (Total: 18) KNI 1101
0401	Jonathan Sham W 12:00pm - 2:45pm	Seats (Total: 18) KNI 1101
0501	Jeffrey Young F 9:00am - 11:45am	Seats (Total: 18) KNI 1101
0601	Madeline Marshall Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2107
0701	Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2105
0801	Jennifer Rynda W 1:00pm - 3:45pm	Seats (Total: 18) KNI 2107

JOUR262 **News Videography**

JOUR262 *(PermReq)* **News Videography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603. Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Albert Calogero MW 7:30pm - 9:20pm	Seats (Total: 10) TWS 0222B
0301	Charles MacDonald TuTh 7:00pm - 8:50pm	Seats (Total: 10) KNI 3210
0401	Instructor: TBA MW 10:00am - 11:50am	Seats (Total: 8) KNI 1101

JOUR289E **Media Law and Ethics in the Digital Age**

JOUR289E Media Law and Ethics in the Digital Age; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
This course is intended for non-journalism majors. Explore the First Amendment, libel, privacy, FOIA and copyright as they have evolved in the digital news age of bloggers, tweeters and citizen journalists. The course will cover fundamental legal and ethical concepts as well as practical application.

0101	Deborah Nelson MW 11:00am - 12:15pm	Seats (Total: 70) KNI 1208

JOUR289I **Information 3.0: Exploring Technological Tools**

JOUR289I Information 3.0: Exploring Technological Tools; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This innovative course blends face-to-face and virtual meetings with state-of-the art technology that includes mobile devices, a custom course app, and social media to address the overwhelming amounts of information from an increasing number of technologies. Instead of traditional written exams assignments, students learn and apply new ways to seek, select, share & learn from digital media. Students combine text and tweets with audio and video to address the sociological and psychological benefits and consequences of emerging technologies in school, work, and play.

0101	Ronald Yaros TuTh 11:00am - 12:15pm	Seats (Total: 70) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson MW 10:00am - 11:15am	Seats (Total: 20) KNI 3202
0201	Sharon O'Malley TuTh 11:30am - 12:45pm	Seats (Total: 20) KNI 3200
0301	Carl Stepp TuTh 2:00pm - 3:15pm	Seats (Total: 20) KNI 1105
0401	Sharon O'Malley TuTh 4:00pm - 5:15pm	Seats (Total: 20) KNI 3200

JOUR320 **News Writing and Reporting II: Multiplatform**

JOUR320 *(PermReq)* **News Writing and Reporting II: Multiplatform; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0101	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0201	Elaine Povich TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2107
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 16) KNI 1206

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR625. Students must contact the instructor for permission to register.

0101	Rafael Lorente Contact instructor or department for details. *This section meets in the National Press Building, Washington, DC.*	Seats (Total: 9)
0201	Karen Denny Contact instructor or department for details. *This section meets in the CNS Bureau, Annapolis, MD.*	Seats (Total: 9)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 7) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320. Contact department to obtain permission.

0101	George Solomon	Seats (Total: 13)
	W 12:00pm - 2:45pm	KNI 1206

JOUR328J **Special Topics in News Writing and Reporting; Journalism about Children, Youth, and Families**

JOUR328J *(PermReq)* **Special Topics in News Writing and Reporting: Journalism about Children, Youth, and Families; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of the instructor. This course focuses on stories that can change lives. A quarter of the U.S. population is under the age of 18. What is it like to grow up (or be a parent) in America today? This class will introduce students to best practices in reporting on a range of complex family issues. Students will engage in research and creative content projects for the Journalism Center on Children and Families, while working with the director of the Center.

0101	Julie Drizin	Seats (Total: 18)
	TuTh 12:30pm - 1:45pm	KNI 1206

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320.

0101	Sarah Schaffer	Seats (Total: 15)
	Th 5:00pm - 7:45pm	KNI 2107

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0201	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103
0301	George Lanum MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

JOUR352 **Intermediate Multimedia Journalism**

JOUR352 *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Instructor: TBA M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0201	Instructor: TBA W 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0301	Alexander Pyles W 10:00am - 12:45pm	Seats (Total: 18) KNI 2107
0501	Mary Nahorniak M 7:00pm - 9:45pm	Seats (Total: 18) KNI 1101

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360). Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students must contact the instructor for permission to register for the course. College Park students should enroll in section 0101. Annapolis students should enroll in section 0201. Washington, D.C. students should enroll in section 0301.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 7)

0201	Karen Denny Contact instructor or department for details.	Seats (Total: 5)
0301	Rafael Lorente Contact instructor or department for details.	Seats (Total: 5)

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Corey Kliewer M 7:00pm - 9:45pm	Seats (Total: 7) TWS 0222A

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR202 or JOUR262; and (JOUR320 or JOUR360); and JOUR352; and permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as multimedia editors and producers, building interactive content and special reports. Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 4)

JOUR356 **Kaiser Health Multimedia Reporting**

JOUR356 *(PermReq)* **Kaiser Health Multimedia Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR203; and (JOUR320 or JOUR360); and permission of instructor. Opportunities are provided for advanced reporting and writing on health topics, using traditional and multimedia storytelling tools.

0101	Christine Harvey F 11:00am - 1:45pm	Seats (Total: 7) KNI 2107

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Writing and reporting for broadcast media: production of news stories.

0101	Renee Poussaint TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 2103
0102	Cassandra Clayton MW 3:30pm - 4:45pm	Seats (Total: 18) KNI 2103
0103	Cassandra Clayton MW 12:00pm - 1:15pm	Seats (Total: 17) KNI 2105
0104	Stuart Schwartz TuTh 12:00pm - 1:15pm	Seats (Total: 18) KNI 2107

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Due to rigorous fieldwork requirement, plan your schedule accordingly.

0101	Mary Burns MW 10:00am - 11:50am	Seats (Total: 12) KNI 2103
0201	John DeDakis, Kevin Johnson TuTh 7:15pm - 9:05pm	Seats (Total: 12) KNI 1101
0301	Joshua Davidsburg MW 12:00pm - 1:50pm	Seats (Total: 12) TWS 0222B

0501	Joshua Davidsburg MW 2:00pm - 3:50pm	Seats (Total: 12) TWS 0222B	
0601	Joshua Davidsburg TuTh 10:00am - 11:50am	Seats (Total: 12) TWS 0222B	
0701	John DeDakis, Christopher Shlemon TuTh 5:00pm - 6:50pm	Seats (Total: 12) KNI 1101	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360; and must have completed or be concurrently enrolled in JOUR361. Producing TV news.

0102	Cindy Wright Tu 7:15pm - 9:15pm Tu 2:00pm - 6:50pm	Seats (Total: 2) KNI 2103 TWS 0117	 Lab
0104	Cindy Wright Tu 7:15pm - 9:15pm Th 2:00pm - 6:50pm	Seats (Total: 2) KNI 2103 TWS 0117	 Lab

JOUR364 **Radio Broadcasting**

JOUR364 *(PermReq)* **Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R. Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.

0101	Jamie Forzato Th 1:15pm - 4:00pm	Seats (Total: 13) KNI 2107	

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.
Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR667.

0101	Susan Katcef	Seats (Total: 8)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262, JOUR360, JOUR361, and permission of department.

0101	David Owens	Seats (Total: 12)
	M 10:00am - 12:45pm	KNI 3200

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360. Also open to students who have completed JOUR320. The basics of photography and telling stories through images. An examination of composition, lighting, camera technique and the ethical and legal issues facing photographers. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	John Davidson	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	KNI 2103
0201	John Davidson	Seats (Total: 12)
	TuTh 5:00pm - 6:15pm	KNI 2103

JOUR368V **Topics in Broadcast and Electronic Media; Advanced Video Storytelling**

JOUR368V *(PermReq)* **Topics in Broadcast and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Instructor: TBA M 1:00pm - 3:45pm	Seats (Total: 7) KNI 1101

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles. Majors only.

0301	Marlene Cimons Tu 4:00pm - 6:45pm	Seats (Total: 18) KNI 2107

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR681. Credit only granted for: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Instructor: TBA TuTh 12:00pm - 1:50pm	Seats (Total: 7) KNI 1101
0201	Instructor: TBA TuTh 12:00pm - 1:50pm	Seats (Total: 9) KNI 1101

JOUR389B **News Coverage of Special Topics; BROADCASTING THE GAMES: Covering Sports in Action**

JOUR389B *(PermReq)* **News Coverage of Special Topics: BROADCASTING THE GAMES: Covering Sports in Action; (3 credits)** Grade Method: REG. Prerequisite: JOUR262 and JOUR360; or permission of department. A comprehensive course on play-by-play coverage of varsity sports on the University of Maryland campus. Students will conduct research to prepare to cover sporting events and then be assigned to cover specific games. Emphasis is on production and play-by-play accounts and analysis. Student work will appear on television, radio and the internet.

0101	Louis Holder, Susan Oswald	Seats (Total: 6)
	Th 6:30pm - 9:15pm	KNI 2103

JOUR396 **Supervised Internship**

JOUR396 *(PermReq)* **Supervised Internship; (2 credits)** Grade Method: REG. *Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.* Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.

0101	Adrianne Flynn	Seats (Total: 45)
	Contact instructor or department for details.	

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship; (1 credit)** Grade Method: REG. Prerequisite: Grade of C- or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Adrianne Flynn	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG. *Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required. Restricted to students having earned at least 60 credits.

0101	Deborah Nelson	Seats (Total: 49)
	MW 4:00pm - 5:15pm	KNI 1208
0201	Sandra Banisky	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KNI 1208

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. *Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452.* Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Linda Steiner	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KNI 1206

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans. Also offered as AASP 499N.

0101	Anne Rosen	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KNI 1105

JOUR455 **Media Entrepreneurship**

JOUR455 Media Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: JOUR459E or JOUR455. Formerly: JOUR459E. Basic business and entrepreneurship concepts will be covered and will explore how technology is transforming the business of media. Students develop and pitch ideas for media businesses, learn startup basics, do exercises in Internet advertising and business plan analysis, use social networks and other digital communication tools, and perform other hands-on exercises in business development and presentation.

0101	David Cross	Seats (Total: 18)
	W 6:00pm - 8:45pm	KNI 1206

JOUR456 **Literature in Journalism**

JOUR456 Literature in Journalism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Christopher Hanson	Seats (Total: 18)
	TuTh 10:00am - 11:15am	KNI 3200

JOUR458B **Special Topics in Journalism; Sports Media Today**

JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chartese Burnett	Seats (Total: 25)
	Th 6:15pm - 9:00pm	KNI 3202

JOUR458G **Special Topics in Journalism; How Sports Journalism Constructs Our World**

JOUR458G Special Topics in Journalism: How Sports Journalism Constructs Our World; (3 credits) Grade Method: REG/P-F/AUD.
Junior Standing and writing experience.

0101	Kevin Blackistone	Seats (Total: 15)
	TuTh 10:00am - 11:15am	KNI 1206

JOUR459F **Special Topics in Journalism; Media in War and Crisis**
Contact department for information to register for this course.

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**
Contact department for information to register for this course.

JOUR459L **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459V **Special Topics in Journalism; Media and International Affairs**
Contact department for information to register for this course.

JOUR459Z **Special Topics in Journalism; Journalism in the Near East and North Africa**

JOUR459Z Special Topics in Journalism: Journalism in the Near East and North Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sheila Lalwani	Seats (Total: 12)
	Tu 4:00pm - 6:45pm	KNI 2109

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Instructor: TBA M 9:00am - 11:45am	Seats (Total: 9) KNI 1206

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR470 or JOUR477. Formerly: JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 2105

JOUR472 **Computer-Assisted Reporting**

JOUR472 *(PermReq)* **Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Computer and online data acquisition; analytical methods for writing and reporting news. Students must contact Associate Dean Ira Chinoy for permission to register.

0101	Daniel Keating TuTh 9:00am - 10:50am	Seats (Total: 4) KNI 2105

JOUR479E **Special Topics in Data Gathering and Analysis; Reporting on the Economy**

JOUR479E *(PermReq)* **Special Topics in Data Gathering and Analysis: Reporting on the Economy; (3 credits)** Grade Method: REG.
Prerequisite: A university statistics course.

0101	Rob Wells	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 1101

JOUR479M **Special Topics in Data Gathering and Analysis; Understanding Social Media Use in Journalism**

JOUR479M *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Social Media Use in Journalism; (3 credits)** Grade Method: REG. Prerequisite: A university statistics course. Students will examine how social media, key influencers, and crowd sourcing play a role in journalism. They study research methods appropriate for understanding this intersection of social media and news, and they will explore the application of social media tools to maximize the reach and impact of news reporting.

0101	Amy Wu	Seats (Total: 18)
	W 4:15pm - 7:00pm	KNI 2105

JOUR479O **Special Topics in Data Gathering and Analysis; Understanding Audiences**

JOUR479O *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Audiences; (3 credits)** Grade Method: REG.
Must have completed a university statistics course. As journalism evolves, it may be more important than ever to understand what were once simply called "audiences"- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

0101	Boya Xu	Seats (Total: 18)
	TuTh 3:30pm - 4:45pm	KNI 1101

JOUR480 **Capstone Colloquium: The Business of News**

JOUR480 *(PermReq)* **Capstone Colloquium: The Business of News; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and junior standing or higher; and permission of JOUR-Philip Merrill College of Journalism. Students will learn the basic news business concepts and examine how revenue and cost structures for media businesses are evolving in new directions. Topics include basic principles and concepts that drive media businesses in the Internet age, including revenue sources, dynamics of online advertising and subscriptions, mobile media strategies, user metrics, engaging audiences, and market dynamics.

0101	Leslie Walker	Seats (Total: 70)
	Meets September 2, 2014 - October 20, 2014	
	M 5:30pm - 7:20pm	KNI 1208
	Schedule adjustment is the first week of classes only.	

JOUR501 **Fundamentals of Writing and Editing**

JOUR501 *(PermReq)* **Fundamentals of Writing and Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Sandra Banisky	Seats (Total: 18)
	TuTh 10:00am - 11:50am	KNI 2107

JOUR504 **Introduction to Multimedia Skills**

JOUR504 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG/AUD.
Corequisite: JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G. Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	James McIntyre F 9:00am - 11:45am	Seats (Total: 15) KNI 2103

JOUR531 **Humphrey Seminar I**

JOUR531 *(PermReq)* **Humphrey Seminar I; (2 credits)** Grade Method: REG. Introduction to journalism issues; American culture and government; and leadership training.

0101	Serap Rada F 10:00am - 4:00pm	Seats (Total: 12) KNI 1109

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 *(PermReq)* **Theories of Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner Tu 9:00am - 11:45am	Seats (Total: 10) KNI 2109

JOUR603 **News Videography**

JOUR603 *(PermReq)* **News Videography; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503. Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Instructor: TBA MW 10:00am - 11:50am	Seats (Total: 2) KNI 1101

JOUR604 **Introduction to Multimedia Skills for Graduate Certificate Programs**

JOUR604 Introduction to Multimedia Skills for Graduate Certificate Programs; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of JOUR-Philip Merrill College of Journalism; and must not have completed JOUR504. Credit only granted for: JOUR 604, JOUR504, or JOUR628G. Formerly: JOUR628G. Additional information: This course is for students enrolled in graduate certificate programs in the College of Journalism. Examine the basics of producing and editing digital photos, video and audio for news. Topics include framing, lighting and other aspects of composition; sequencing, using wide, medium and tight shots; and ethical considerations when collecting sound and visuals.

PCJ1	Emma Schwartz	Seats (Total: 18)
	Sa 8:30am - 12:15pm	KNI 1101
	Restricted to students in the Multimedia Journalism Certificate program	

JOUR610 **Seminar in Mass Media History**

JOUR610 Seminar in Mass Media History; (3 credits) Grade Method: REG/AUD.
Credit only granted for: JOUR610 or JOUR710. Formerly: JOUR710. Analysis and discussion of the interrelationships between the mass media and society, including various social and cultural elements of modern society; responsibilities of the mass media and the mass communicator.

0101	Mark Feldstein	Seats (Total: 10)
	M 1:30pm - 4:15pm	KNI 1109

JOUR620 **Public Affairs Reporting**

JOUR620 *(PermReq)* **Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0101	Adrianne Flynn	Seats (Total: 18)
	TuTh 10:00am - 11:50am	KNI 2103

JOUR624 **Commentary and Editorial Writing**

JOUR624 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: JOUR624 or JOUR628N. Formerly: JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 2) KNI 1206

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR325.

0101	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)
0201	Karen Denny Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Urban Affairs Reporting**

JOUR627 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 1) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.
Course shares space with JOUR328B.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 4) KNI 1206

JOUR628M **Specialized Topics in News Writing and Reporting; Magazine Journalism**

JOUR628M *(PermReq)* **Specialized Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/AUD.

0101	Sarah Schaffer Th 5:00pm - 7:45pm	Seats (Total: 3) KNI 2107

JOUR652 **Intermediate Multimedia Journalism**

JOUR652 *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/AUD.
Corequisite: Offered to students enrolled in a journalism master's degree or certificate. JOUR 504 (formerly 628G) or JOUR 604 (a new course number for certificate students) is a pre- or co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues are also discussed and social media tools and ethics explored.

0101	Mark Young Th 6:00pm - 8:45pm	Seats (Total: 10) KNI 2105
PCJ1	Mark Smith Sa 1:30pm - 5:15pm *Restricted to students in the Multimedia Journalism Certificate program*	Seats (Total: 18) KNI 2105

JOUR654 **Advanced Interactive Multimedia Storytelling**

JOUR654 *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR652; and permission of JOUR-Philip Merrill College of Journalism. Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Corey Kliewer M 7:00pm - 9:45pm	Seats (Total: 3) TWS 0222A

JOUR655 **Advanced Online News Bureau**

JOUR655 *(PermReq)* **Advanced Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus. Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission. Course shares space with JOUR355.

0101	Sean Mussenden F 9:00am - 5:00pm	Seats (Total: 4) KNI 3210

JOUR656 **Advanced Kaiser Health Multimedia Reporting**

JOUR656 *(PermReq)* **Advanced Kaiser Health Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR504. Corequisite: JOUR620 or JOUR503. Restriction: Permission of instructor. Advanced reporting on health topics, using traditional and multimedia storytelling tools.

0101	Christine Harvey F 11:00am - 1:45pm	Seats (Total: 3) KNI 2107

JOUR660 **Broadcast News Writing**

JOUR660 *(PermReq)* **Broadcast News Writing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760. Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0103	Cassandra Clayton MW 12:00pm - 1:15pm	Seats (Total: 1) KNI 2105

JOUR661 **Television Reporting and Production**

JOUR661 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603; or students who have taken courses with comparable content may contact the department. Restriction: Must not be in Journalism Studies (Doctoral) program. Reporting, writing, editing and production of broadcast news.

0102	Sean Filburn, Mark Feldstein MW 10:00am - 11:50am	Seats (Total: 10) TWS 0222A

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503; or students who have taken courses with comparable content may contact the department. And permission of JOUR-Philip Merrill College of Journalism. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR367.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 8)

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast Producing**

JOUR668B *(PermReq)* **Topics in Broadcasting and Electronic Media: Broadcast Producing; (3 credits)** Grade Method: REG/AUD.

0101	Cindy Wright	Seats (Total: 2)	
	Tu 7:15pm - 9:15pm	KNI 2103	
	W 2:00pm - 6:50pm	TWS 0117	Lab

JOUR668V **Topics in Broadcasting and Electronic Media; Advanced Video Storytelling**

JOUR668V *(PermReq)* **Topics in Broadcasting and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR661 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi- platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Instructor: TBA	Seats (Total: 3)
	M 1:00pm - 3:45pm	KNI 1101

JOUR681 **Media Industry Reporting**

JOUR681 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR381. Credit only granted for: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for the Web site of an award-winning professional publication, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Instructor: TBA	Seats (Total: 2)
	TuTh 12:00pm - 1:50pm	KNI 1101

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Sarah Oates M 9:00am - 10:30am	Seats (Total: 12) KNI 2109

JOUR702 **Journalism Law and Ethics**

JOUR702 *(PermReq)* **Journalism Law and Ethics; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR 600, JOUR700, or JOUR 702. An examination of the legal rights and ethical problems and constraints of mass media, including libel, privacy, copyright, monopoly and contempt.

0101	Diana Huffman TuTh 2:00pm - 3:15pm	Seats (Total: 36) KNI 3202

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must not have completed JOUR462. Examination of theoretical and practical issues in the press coverage on government and public affairs.

0101	Instructor: TBA M 9:00am - 11:45am	Seats (Total: 9) KNI 1206

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed or be concurrently enrolled in JOUR501; or students who have taken courses with comparable content may contact the department. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

0101	Daniel Keating	Seats (Total: 14)
	TuTh 9:00am - 10:50am	KNI 2105

JOUR775 **Quantitative Methods in Journalism and Public Communication Research**

JOUR775 Quantitative Methods in Journalism and Public Communication Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: JOUR701 or JOUR775. Formerly: JOUR701. Logic and methods of quantitative data collection and statistical analysis as applied to journalism and public communication studies.

0101	Ronald Yaros	Seats (Total: 12)
	W 1:00pm - 3:45pm	KNI 2109

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

JOUR800 *(PermReq)* **Introduction to Doctoral Study in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: JOUR700 or JOUR800. Formerly: JOUR700. Basic skills in journalism and public communication research.

0101	Sarah Oates	Seats (Total: 10)
	W 9:00am - 11:45am	KNI 2109

JOUR808B **Doctoral Colloquium; Teaching as a Transformative Enterprise**

JOUR808B *(PermReq)* **Doctoral Colloquium: Teaching as a Transformative Enterprise; (1 credit)** Grade Method: REG/AUD.

0101	Sarah Oates	Seats (Total: 5)
	W 12:30pm - 2:00pm	KNI 1109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Fall 2014

JWST219C **Special Topics in Jewish Studies; Contemporary Israel: History and Society**
Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**

Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**
Contact department for information to register for this course.

JWST234 **History of the Jewish People I**

JWST234 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST282. Credit only granted for: HIST282 or JWST234. Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TYD 1114	 Discussion
0102	Hayim Lapin MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0103	Hayim Lapin MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0124	 Discussion
0104	Hayim Lapin MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion

JWST250 **Fundamental Concepts of Judaism**

JWST250 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Also offered as: PHIL234, RELS250. Credit only granted for: JWST250, PHIL234, or RELS250. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	SQH 1119

JWST262 **Introduction to the Hebrew Bible/Old Testament**

JWST262 Introduction to the Hebrew Bible/Old Testament; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Also offered as: ENGL262. Credit only granted for: JWST262, HEBR223 or ENGL262. Formerly: HEBR223. An exploration of the origins and compositional history of biblical literature. Critical study of texts and socio-historical analysis of their background.

0101	Maxine Grossman	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1119

JWST282 **Elementary Yiddish II**

JWST282 Elementary Yiddish II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: JWST281; or permission of ARHU-Meyerhoff Program & Center for Jewish Studies. Continuation of JWST281.

0101	Adi Mahalel	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	SQH 1123

JWST289F **New Explorations in Jewish Studies; Alternative Voices in Israeli Media and Popular Culture**

JWST289F New Explorations in Jewish Studies: Alternative Voices in Israeli Media and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as ISRL249F. Credit granted for ISRL249F or JWST289F. This course examines aspects of Yiddish studies, Arab-Hebrew literature,and Israeli cultural politics in its approach to disparate voices in Israeli culture, taking a multicultural approach to Israeli cultural history. It includes the study of literature, critical articles, films, and television.

0101	Adi Mahalel TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1103	

JWST289J **Jerusalem in Antiquity: The History of Sacred Space in a Holy City**

JWST289J Jerusalem in Antiquity: The History of Sacred Space in a Holy City; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
The questions of sacred space through the topic of Jerusalem are explored. The study of Jerusalem's history as a holy city reveals the many ways by which sacred space is constructed. It will also examine the development of places that continue to hold great sanctity in Judaism (the Western Wall), Christianity (the Church of the Holy Sepulchre and the Mount of Olives), and Islam (the Dome of the Rock and the Al-Aqsa Mosque on the Haram ash-Sharif).

0101	Matthew Suriano MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) TYD 2106 JMZ 0125	 Discussion
0102	Matthew Suriano MW 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 20) TYD 2106 EDU 3233	 Discussion
0103	Matthew Suriano MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) TYD 2106 EDU 1315	 Discussion
0104	Matthew Suriano MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 EDU 1315	 Discussion

JWST289T **The Practice of Tolerance in Religious Societies**

JWST289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as HIST140 and RELS289T. Credit will be granted for only one of the following: HIST289G, HIST140, JWST289T, or RELS289T. An exploration of the relation between religious ideology and the practice of tolerance, with particular emphasis on the history of Catholic Christian attitudes towards Jews in Italy -- what allowed continuous Jewish residence in papal Italy for over two millennia, and what factors threatened that co-existence.

0101	Bernard Cooperman MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0102	Bernard Cooperman MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TYD 2102	Discussion
0103	Bernard Cooperman MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 BPS 1236	Discussion
0104	Bernard Cooperman MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0105	Bernard Cooperman MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 2102	Discussion
0106	Bernard Cooperman MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**

Contact department for information to register for this course.

JWST319M **Special Topics in Jewish Studies; Beyond Black and White: Jews and Representations of Race**

JWST319M Special Topics in Jewish Studies: Beyond Black and White: Jews and Representations of Race; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as ISRL349Z. Credit will be granted for ISRL349Z or JWST 319M. An examination of Western constructions and representations of 'race' from medieval times to the modern rise of Zionism and the founding of Israel, with a focus on how Jews utilized the racial discourses of each period to negotiate their position within Western history.

0101	Shirelle Doughty	Seats (Total: 40)
	MW 3:30pm - 4:45pm	TYD 1114

JWST325 **Jews and Judaism in Antiquity I: Sixth Century BCE through the First Century CE**

JWST325 Jews and Judaism in Antiquity I: Sixth Century BCE through the First Century CE; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST370. Credit only granted for: HIST370 or JWST325. Political, social, and religious history of the Jews from the Persian Period to the Judean Revolt of 66-70CE. Special attention to the rise of sectarian and revolutionary movements.

0101	Hayim Lapin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	SQH 1103

JWST333 **Jews in Early Modern Times 1450-1750**

JWST333 Jews in Early Modern Times 1450-1750; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST282; or JWST234. Also offered as: HIST373. Credit only granted for: JWST333, HIST373, HIST418C/JWST419C (Fall 2006, Fall 2004) or HIST419C/JWST419Y (Spring 2001). Formerly: JWST419C. Emergence of new powerful population centers, religious and cultural creativity, new forms of community, and radical messianic movements.

0101	Bernard Cooperman	Seats (Total: 40)
	MW 1:00pm - 1:50pm	KEY 0103
	Contact instructor or department for details.	

JWST369A **Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**
Contact department for information to register for this course.

JWST409B **Research Seminar in Jewish Studies; Death and Afterlife in Jewish Cultures**

JWST409B Research Seminar in Jewish Studies: Death and Afterlife in Jewish Cultures; (3 credits) Grade Method: REG/P-F/AUD.
An examination of burial customs, mourning practices, and other actions that reflect the ways the living related to the dead. A particular focus on biblical, post-biblical, ancient Near Eastern and rabbinic texts that describe death, the dead, and the afterlife.

0101	Matthew Suriano	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	SQH 2119

JWST418 **Honors Thesis Research in Jewish Studies**

JWST418 *(PermReq)* **Honors Thesis Research in Jewish Studies; (3 credits)**
Grade Method: REG.
Prerequisite: Permission of department.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

JWST419J **Special Topics in Jewish Studies; Representing the Holocaust**

JWST419J Special Topics in Jewish Studies: Representing the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Students will read fiction, critical essays, and poems and view movies in order to consider our role as readers in serving as "witnesses" to an event that has marked itself indelibly in the aesthetic history of the twentieth century as pushing the "limits of representation". Also offered as ENGL379J. Credit will be granted for: ENGL379J or JWST 419J.

0101	Sheila Jelen	Seats (Total: 40)
	MW 11:00am - 12:15pm	TWS 0214

JWST429C **Advanced Topics in Jewish Studies; Pedagogy and Instruction: The Hebrew Classroom**

JWST429C Advanced Topics in Jewish Studies: Pedagogy and Instruction: The Hebrew Classroom; (3 credits) Grade Method: REG/P-F/AUD.
Overview of applied linguistics theories and issues in Hebrew language teaching. Topics include first and second language acquisition, teaching methods, testing and effects of identity, policy, religion and learning setting.

0101	Avital Feuer	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

JWST478A **Readings in Modern Hebrew; Readings in S. Y. Agnon, Nobel Prize Winner for Literature**

JWST478A Readings in Modern Hebrew: Readings in S. Y. Agnon, Nobel Prize Winner for Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of department. Also offered as HEBR 498A. Credit will be granted for HEBR498A or JWST478A. Students will read selections from Agnon's oeuvre, focusing on short stories and novellas about Eastern Europe and Jaffa. All readings will be in Hebrew, withEnglish translations available. Texts will include "Inthe Prime of Her Life," "Betrothed," "Fable of the Goat," "Story of the Scribe," "Hill of Sand," and excerpts from "A Simple Story" and "Only Yesterday." Taught in English.

0101	Sheila Jelen	Seats (Total: 10)
	MW 2:00pm - 3:15pm	TWS 3134

JWST499 **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies: Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies**

JWST609 *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies; (1 credit)** Grade Method: S-F.

0101	Charles Manekin	Seats (Total: 1)
	Contact instructor or department for details.	

0107	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST619F **Directed Readings in Jewish Studies; Pedagogy and Instruction: The Hebrew Classroom**

JWST619F Directed Readings in Jewish Studies: Pedagogy and Instruction: The Hebrew Classroom; (3 credits) Grade Method: REG.
Overview of applied linguistics theories and issues in Hebrew language teaching. Topics include first and second language acquisition, teaching methods, testing and effects of identity, policy, religion and learning setting.

0101	Avital Feuer	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

JWST648 **Readings in Jewish History; The Modernization of the Jews**

JWST648 Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG.
Also offered as HIST798B. Credit granted for HIST798B or JWST648.

0101	Marsha Rozenblit	Seats (Total: 12)
	Th 6:00pm - 8:30pm	TLF 2108

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Fall 2014

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg **Meets September 2, 2014 - October 17, 2014** TuTh 8:00am - 10:00am *Meets first 7 weeks.*	Seats (Total: 32) ERC 0135	 Lab
0002	Andrew Ginsberg **Meets October 20, 2014 - December 12, 2014** TuTh 8:00am - 10:00am *Meets second 7 weeks.*	Seats (Total: 32) ERC 0135	 Lab

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Logan Aronhalt MW 12:00pm - 2:00pm	Seats (Total: 32) ERC 0135	 Lab
0002	Andrew Ginsberg TuTh 2:00pm - 4:00pm	Seats (Total: 32) ERC 0135	 Lab
0003	Andrew Ginsberg MW 10:00am - 12:00pm	Seats (Total: 32) ERC 0135	 Lab
0004	Andrew Ginsberg TuTh 12:00pm - 2:00pm	Seats (Total: 32) ERC 0135	 Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.
Students must pay a $40 instructional materials fee. Attendance is required of all students beginning the first day of class.

0001	Andrea Romeo	Seats (Total: 40)	
	TuTh 2:00pm - 4:00pm	COL 1100D	Lab
	This section is for KNES Majors only.		

KNES131V **Physical Education Activities: Coed; Jogging (BEGINNING)**

KNES131V Physical Education Activities: Coed: Jogging (BEGINNING); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Michele Fox	Seats (Total: 60)	
	MW 2:00pm - 4:00pm	COL 1100D	Lab
0002	Michele Fox	Seats (Total: 60)	
	TuTh 12:00pm - 2:00pm	COL 1100D	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $40 instructional materials fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Kevin Alexander	Seats (Total: 40)	
	Meets September 2, 2014 - October 17, 2014		
	TuTh 8:00am - 10:00am	SSU B0106	Lab
	This section is for KNES Majors only.		

0002	Kevin Alexander **Meets October 20, 2014 - December 12, 2014** TuTh 8:00am - 10:00am *This section is for KNES Majors only.*	Seats (Total: 40) SSU B0106	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

KNES137N Physical Education Activities: Coed: Golf (Beginning); (1 credit)

Grade Method: REG/P-F.

Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee directly to the golf course.

0001	Jeff Maynor **Meets September 2, 2014 - October 17, 2014** MW 10:00am - 12:00pm *This section is for KNES Majors Only.*	Seats (Total: 25) GLF 1102	Lab

KNES137O **Physical Education Activities: Coed; Golf (Intermediate)**

KNES137O Physical Education Activities: Coed: Golf (Intermediate); (1 credit)

Grade Method: REG/P-F.

Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40.00 instructional materials fee directly to golf course.

0001	Jeff Maynor **Meets September 2, 2014 - October 17, 2014** MW 12:00pm - 2:00pm	Seats (Total: 25) GLF 1102	Lab

KNES140A **Physical Education Activities: Coed; General Gymnastics (Beginning)**

KNES140A Physical Education Activities: Coed: General Gymnastics (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required the first day of class. Meets the second seven weeks only. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 24)	
	Meets October 20, 2014 - December 12, 2014		
	MW 10:00am - 12:00pm	SPH 1120	Lab
	This section is for KNES Majors Only.		

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 24)	
	Meets September 2, 2014 - October 17, 2014		
	MW 10:00am - 12:00pm	SPH 1120	

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 10:00am - 12:00pm	SPH 0107	Lab
	This section is for KNES Majors Only.		

KNES144R **Physical Education Activities: Coed; Intermediate Karate**

KNES144R Physical Education Activities: Coed: Intermediate Karate; (2 credits)
Grade Method: REG/P-F.
Attendance on the first day of class is required. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense (Beginning)**

KNES144T Physical Education Activities: Coed: Self-Defense (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes. Students must pay a $40 instructional materials fee.

0001	Meir Lewin	Seats (Total: 24)	
	Meets September 2, 2014 - October 17, 2014		
	MW 12:00pm - 2:00pm	COL 1100D	
	This section is for KNES Majors Only.		

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendence is required beginning the first day of class. Schedule adjustment is the first week of classes only. Students must pay a $40 instructional materials fee.

0001	Meir Lewin **Meets October 20, 2014 - December 12, 2014** MW 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 24) COL 1100D	 Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Beginning Swimming is strictly for Non-swimmers. Attendence is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Natalie Ferdinand MW 12:00pm - 1:15pm	Seats (Total: 22) ERC B0120	 Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students. Students must pay a $40 instructional materials fee.

0001	Matthew Quigley TuTh 1:00pm - 2:15pm *This section is for KNES Majors only.*	Seats (Total: 22) ERC B0120	 Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students. Students must pay a $40 instructional materials fee.

0001	Natalie Ferdinand MW 9:00am - 11:00am	Seats (Total: 22) ERC B0120	 Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class. Students must pay a $40 instructional materials fee.

0001	Carrie Tupper	Seats (Total: 22)	
	MW 10:00am - 12:00pm	ERC B0120	Lab

KNES155N **Physical Education Activities: Coed; Tennis (Beginning)**

KNES155N Physical Education Activities: Coed: Tennis (Beginning); (1 credit)
Grade Method: REG/P-F.
Attendance is required of all students on the first day of class. Students must pay a $40 instructional materials fee.

0001	Jo Zimmerman	Seats (Total: 32)	
	Meets September 2, 2014 - October 17, 2014		
	MW 10:00am - 12:00pm	COL 1100D	Lab
	This section is for KNES Majors Only.		
0002	Jo Zimmerman	Seats (Total: 32)	
	Meets September 2, 2014 - October 17, 2014		
	MW 12:00pm - 2:00pm	COL 1100D	Lab
	This section is for KNES Majors Only.		

KNES155O **Physical Education Activities: Coed; Tennis (Intermediate)**

KNES155O Physical Education Activities: Coed: Tennis (Intermediate); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class. Students must pay a $40 instructional materials fee.

0001	Instructor: TBA **Meets September 2, 2014 - October 17, 2014** TuTh 2:00pm - 4:00pm *This section is for KNES Majors Only.*	Seats (Total: 32) COL 1100D	Lab
0002	Jo Zimmerman, John Borden **Meets September 2, 2014 - October 17, 2014** MW 2:00pm - 4:00pm *This section is for KNES Majors Only.*	Seats (Total: 32) COL 1100D	Lab
0004	Andrew Ginsberg **Meets September 2, 2014 - October 17, 2014** TuTh 10:00am - 12:00pm *This section is for KNES Majors only.*	Seats (Total: 32) COL 1100D	

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Emily Sterner MW 10:00am - 11:15am	Seats (Total: 28) SPH 0103	Lab
0002	Laura Rush MW 1:00pm - 2:15pm	Seats (Total: 28) SPH 0103	Lab
0003	Laura Rush MW 2:00pm - 3:15pm	Seats (Total: 28) SPH 0103	Lab
0004	Andrew Ginsberg TuTh 4:00pm - 5:15pm	Seats (Total: 28) SPH 0103	Lab
FC01	Vipul Kumar MW 3:00pm - 4:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 5) SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students. Students must pay a $40 instructional materials fee.

0001	Emily Sterner MW 11:00am - 12:15pm *This section is for KNES Majors only.*	Seats (Total: 28) SPH 0103	Lab
0002	Laura Rush MW 12:00pm - 1:15pm *This section is for KNES Majors only.*	Seats (Total: 28) SPH 0103	Lab
0003	Vipul Kumar TuTh 12:00pm - 1:15pm *This sections is for KNES Majors only.*	Seats (Total: 28) SPH 0103	Lab
0004	Emily Sterner TuTh 9:30am - 10:45am *This section is for KNES Majors only.*	Seats (Total: 28) SPH 0103	Lab

KNES157T **Physical Education Activities: Coed; Fight the 15: Introduction to fitness and an active lifestyle**

KNES157T Physical Education Activities: Coed: Fight the 15: Introduction to fitness and an active lifestyle; (1 credit) Grade Method: REG/P-F.
For non-majors only. Students must pay a $40 instructional materials fee. Intended for students interested in learning basic aspects of exercise and fitness. Coverage of fitness fundamentals, training concepts and techniques, and facilities available on and off campus to aid in an active lifestyle.

FC01	Emily Sterner MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SPH 2101	

KNES160N **Physical Education Activities: Coed; Volleyball (Beginning)**

KNES160N Physical Education Activities: Coed: Volleyball (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is first week of class only. Attendance is required of all students on the first day of class. Students must pay a $40 instructional materials fee.

0001	Instructor: TBA **Meets October 20, 2014 - December 12, 2014** MW 10:00am - 12:00pm *This section is for KNES Majors Only.*	Seats (Total: 32) SPH 2101	Lab
0002	Andrea Romeo **Meets October 20, 2014 - December 12, 2014** MW 2:00pm - 4:00pm *This section is for KNES Majors Only.*	Seats (Total: 32) SPH 2101	Lab

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class. Students must pay a $40 instructional materials fee.

0001	Andrea Romeo **Meets October 20, 2014 - December 12, 2014** MW 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 32) SPH 2101	Lab
0002	Instructor: TBA **Meets October 20, 2014 - December 12, 2014** TuTh 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 32) SPH 2101	Lab

KNES161F **Physical Education Activities: Coed; Yoga for Fitness (Beginning)**

KNES161F Physical Education Activities: Coed: Yoga for Fitness (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required. Students must pay a $40 instructional materials fee.

0001	Laura Rush	Seats (Total: 36)	
	TuTh 3:00pm - 4:15pm	SPH 0107	Lab
	This section is for KNES Majors only.		

KNES161N **Physical Education Activities: Coed**
Contact department for information to register for this course.

KNES200U **Introduction to Kinesiology**
Contact department for information to register for this course.

KNES201 **Kinesiological Principles of Physical Activity**

KNES201 Kinesiological Principles of Physical Activity; (1 credit) Grade Method: REG/P-F.
Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201. An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills. KNES Majors Only.

0103	Ana Palla-Kane	Seats (Total: 25)	
	W 3:00pm - 4:00pm	SPH 0307	

KNES201U **Kinesiological Principles of Physical Activity**
Contact department for information to register for this course.

KNES240 **Exploring Cultural Diversity Through Movement**

KNES240 Exploring Cultural Diversity Through Movement; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency.
Cultural diversity through an analysis of the different meanings that movement activities serve within different cultural groups. Students will examine how cultural affiliations can influence why and how members of different cultural groups engage in movement activities.

0101	Marvin Scott TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 0308	

KNES253 **Genetically-Modified Humans: Physical Performance in the Post-Genomic Era**

KNES253 Genetically-Modified Humans: Physical Performance in the Post-Genomic Era; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Credit only granted for: KNES289X, KNES289H or KNES253. Formerly: KNES289X, KNES289H. In this post-genomic era, can society pursue optimal health and maximal physical performance without changing what it means to be human? The remarkable advances in genome technologies offer both promise and peril for the future of human health and physical performance. Through investigations of genetic enhancement, personalized medicine, genetic screening and talent selection, students in Genetically-Modified Humans analyze the many issues related to the use and manipulation of the human genome.

0101	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 20) CSS 2324 ONLINE SPH 0305	Discussion
0102	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 20) CSS 2324 ONLINE SPH 0305	Discussion
0103	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 1:00pm - 1:50pm	Seats (Total: 20) CSS 2324 ONLINE SPH 0303	Discussion

0104	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 ONLINE SPH 0302	Discussion

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	James Hagberg MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) CSS 2324 SPH 0223	Discussion
0102	James Hagberg MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 SPH 0223	Discussion
0103	James Hagberg MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) CSS 2324 SPH 0223	Discussion
0104	James Hagberg MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 SPH 0223	Discussion

KNES282 **Basic Care and Prevention of Athletic Injuries**

KNES282 Basic Care and Prevention of Athletic Injuries; (3 credits) Grade Method: REG/P-F.
Restriction: Must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES282 or KNES381. Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR. KNES Majors only.

0101	John Bush MW 9:00am - 9:50am F 9:00am - 9:50am *This section is for KNES Majors Only.*	Seats (Total: 20) SPH 0308 SPH 0301	 Lab
0102	John Bush MW 9:00am - 9:50am F 8:00am - 8:50am *This section is for KNES Majors Only.*	Seats (Total: 20) SPH 0308 SPH 0301	 Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Instructor: TBA MW 2:00pm - 2:50pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	Adam Beissel MW 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	Adam Beissel MW 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0104	Instructor: TBA MW 2:00pm - 2:50pm W 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion

0105	Instructor: TBA MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
FC01	Shaun Edmonds MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) SPH 1303	

KNES287U **Sport and American Society**
Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289L **Topical Investigations; Golf for Business and Life**

KNES289L Topical Investigations: Golf for Business and Life; (3 credits) Grade Method: REG/P-F.
Students must pay a $50.00 Facility fee. This course gives students the oppurtunity to learn the basics of the golf swing, etiquette, and most importantly, how to use golf as a business tool regardless of their chosen careers. Kinesiology majors may use this course to fulfill 2 credits of physical activity at intermediate level.

0101	Jeff Maynor TuTh 3:30pm - 5:30pm	Seats (Total: 24) SPH 0303	

KNES289W **Topical Investigations; The Cybernetic Human**

KNES289W Topical Investigations: The Cybernetic Human; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

Can the profound and rapid technological advances experienced in the 21st century change what it means to be human or the nature of humanity? Emergent technologies, new materials, increased computer power,engineering innovations, and groundbreaking work in the sciences of cognition and action provide myriad opportunities for repairing and enhancing the human body and brain. Examines the ethical, social, and technological implications of an increasing synergism of technology and the body in sports and the arts, at work or home, rehabilitating the body and the brain, and society at large.

0101	Instructor: TBA MF 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 SPH 0305	Discussion
0102	Instructor: TBA MF 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 SPH 0303	Discussion
0103	Instructor: TBA MF 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) PHY 1412 SPH 0303	Discussion
0104	Instructor: TBA MF 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) PHY 1412 SPH 0307	Discussion

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement. Restricted to Majors or non-majors with less than or equal to 45 credits.

0103	Michael Friedman MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 1302	Discussion
0104	Michael Friedman MW 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0302	Discussion
0105	Michael Friedman MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
FCW1	Jacob Bustad Class time/details on ELMs	Seats (Total: 40) ONLINE	

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance. Students must pay a $50 lab fee.

0101	Jae Kun Shim MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0223	Lab
0102	Jae Kun Shim MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0223	Lab

0103	Jae Kun Shim MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0104	Jae Kun Shim MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0105	Jae Kun Shim MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0106	Jae Kun Shim MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0107	Jae Kun Shim MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0108	Jae Kun Shim MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F.
Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance. This section is restricted to students who have been admitted in the Kinesiology Honors program. Students must pay a $50 lab fee.

0101	Jae Kun Shim MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312

KNES332 **Exercise Testing and Prescription for the Fitness Professional**

KNES332 Exercise Testing and Prescription for the Fitness Professional; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G. Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman WF 10:00am - 12:00pm	Seats (Total: 25) SPH 0308

KNES333 **Motor Development and Fitness for Individuals with Disabilities**

KNES333 Motor Development and Fitness for Individuals with Disabilities; (3 credits) Grade Method: REG.
Restriction: Must be in a major within the SPHL-Kinesiology department. Implications of Federal and State regulations for planning and implementing motor development and physical fitness programs for individuals with disabilities. Evaluation strategies for assessing motor performance and fitness levels in educational programs for these individuals. Students are required to choose a placement for a service-learning experience involving direct work with children who have disabilities. Students may choose from a list of local schools (listed in the syllabus. that have special education programs; or they may complete this requirement at the Children's Developmental Clinic held on campus in the SPH (School of Public Health) building every Saturday 8:30am-12:30pm.

0101	Dennis Vacante Th 7:00pm - 9:30pm	Seats (Total: 32) SPH 0308

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.**

KNES334 Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
Credit only granted for: KNES498L or KNES334. Formerly: KNES498L. Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs and to lead active lifestyles.

0101	Ana Palla-Kane TuTh 12:30pm - 1:45pm	Seats (Total: 30) SPH 0302

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Christopher Whipple TuTh 9:30am - 10:30am	Seats (Total: 35) ERC B0132

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm *This section is for KNES Majors Only.*	Seats (Total: 70) BPS 1243
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 120) SHM 2102

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 3) BPS 1243
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 3) SHM 2102

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0307

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 3) SPH 0307

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F. *Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training. Students must pay a $50 lab fee.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F.
Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training. This section is restricted to students who have been admitted in the Kinesiology Honors program. Students must pay a $50 lab fee.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F.
Restriction: Must be in a major within SPHL-Kinesiology department. Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

BL01	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab
BL02	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab
BL03	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab

BL04	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG/P-F. *Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. This section is restricted to students who have been admitted in the Kinesiology Honors program.

BL01	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 2) SPH 1312 ONLINE	

KNES370U **Motor Development**
Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F. *Restriction: Must be in a major within SPHL-Kinesiology department.* Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	Tim Kiemel MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Tim Kiemel MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0103	Tim Kiemel MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Tim Kiemel MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Tim Kiemel MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Tim Kiemel MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0109	Tim Kiemel MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0110	Tim Kiemel MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F.
Restriction: Must be in a major within SPHL-Kinesiology department. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Tim Kiemel MW 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 8) SPH 1312	

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.
Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Click here for more course information.

0101	Marvin Scott	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SPH 0303

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Children's Development Clinic**

KNES389E Topical Investigations: Children's Development Clinic; (1 credit)
Grade Method: REG/P-F/AUD.
A service/learning course designed for students, teachers and individuals interested in working with children who have special needs. Students will work one-on-one with an assigned child in the areas of motor development, reading, language, and social skills. Students will be required to complete fingerprinting and background checks (at no cost to the students).

0101	Dennis Vacante	Seats (Total: 30)
	Sa 8:30am - 12:30pm	SPH 0103

KNES389I **Topical Investigations; Sport Economics**

KNES389I Topical Investigations: Sport Economics; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES287.

0101	Adam Beissel MW 3:30pm - 4:45pm	Seats (Total: 32) SYM 0215	
	Examines sport as a diverse cultural form through which physical activity is organized, regulated, and consumed within contemporary society. Evaluation of the complex interactions between sport culture and economic institutions and forces.		

KNES389K **Topical Investigations; Kinesiology Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiology Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES400 **The Foundations of Public Health in Kinesiology**

KNES400 The Foundations of Public Health in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES287 and KNES360. Restriction: Senior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A. An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 18) CHE 2108 SPH 0305	 Discussion
0102	Shannon Jette MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 18) CHE 2108 SPH 0301	 Discussion
0103	Shannon Jette MW 11:00am - 11:50am Th 12:00pm - 12:50pm	Seats (Total: 18) CHE 2108 JMP 1109	 Discussion

0104	Shannon Jette MW 11:00am - 11:50am Th 1:00pm - 1:50pm	Seats (Total: 18) CHE 2108 PHY 0405	 Discussion

KNES400H **The Foundations of Public Health in Kinesiology**

KNES400H *(PermReq)* **The Foundations of Public Health in Kinesiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES287 and KNES360. Restriction: Senior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A. An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette MW 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 5) CHE 2108

KNES440 **Psychology of Athletic Performance**

KNES440 Psychology of Athletic Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 30) SPH 1302

KNES440H **Psychology of Athletic Performance**

KNES440H *(PermReq)* **Psychology of Athletic Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 3) SPH 1302

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0305

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg M 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 30) SPH 0307 ONLINE

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg	Seats (Total: 3)
	M 9:00am - 9:50am Class time/details on ELMs	SPH 0307 ONLINE

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott	Seats (Total: 35)
	MWF 11:00am - 11:50am	SPH 0302

KNES460 **Physiology of Aging and the Impact of Physical Activity**

KNES460 Physiology of Aging and the Impact of Physical Activity; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F. Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	SPH 0305

KNES460H **Physiology of Aging and the Impact of Physical Activity**

KNES460H Physiology of Aging and the Impact of Physical Activity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F. Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 2)
	TuTh 12:30pm - 1:45pm	SPH 0305

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

0101	Ben Hurley	Seats (Total: 32)
	TuTh 9:30am - 10:45am	SPH 0302

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Ben Hurley	Seats (Total: 3)
	TuTh 9:30am - 10:45am	SPH 0302

KNES463 **Principles and Methods of Physical Activity Interventions**

KNES463 Principles and Methods of Physical Activity Interventions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360 and KNES350. Credit only granted for: KNES463 or KNES498G. Understanding of the planning, implementation, and evaluation of physical activity interventions. Intervention methods and practical strategies fo formulate well-conceived physical activity interventions across a variety of settings and participant populations.

0101	Jennie Phillips	Seats (Total: 31)
	TuTh 2:00pm - 3:15pm	SPH 1302

KNES476 **Honors Thesis Proposal**

KNES476 *(PermReq)* **Honors Thesis Proposal; (3 credits)** Grade Method: REG.
Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing. Credit only granted for: KNES476 or KNES498R. Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Espen Spangenburg	Seats (Total: 10)
	F 10:00am - 10:50am	SPH 0301
	Contact instructor or department for details.	

KNES478 **Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: REG.
Continuing KNES Honors Students must enroll in KNES478 every semester they are in the program.

0101	Espen Spangenburg	Seats (Total: 20)
	F 11:00am - 11:50am	SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0307

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0307

KNES484 **Sporting Hollywood**

KNES484 Sporting Hollywood; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES293 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES484 and KNES498N. Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sexual, racial, class and national).

0101	Michael Friedman M 4:00pm - 6:30pm	Seats (Total: 35) SPH 0302

KNES485 **Sport and Globalization**

KNES485 Sport and Globalization; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Diversity - Understanding Plural Societies.
Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T. Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

0101	David Andrews M 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 35) SPH 1301

KNES497 **Kinesiology Senior Seminar**

KNES497 Kinesiology Senior Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: A professional writing coure with a (C-) or better; all 7 KNES core and 2 KNES options. 100 semester hours. And STAT100; or students who have taken courses with comparable content may contact the department.* Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for description.

0101	James Hagberg Th 8:00am - 10:45am *Physical Activity and the Obesity and Diabetes Epidemic.*	Seats (Total: 15) PLS 1115
0102	Jennie Phillips Tu 4:00pm - 6:30pm *Couch Potatoes to Bodies in Motion: How do we get People Moving?*	Seats (Total: 15) SPH 0223
0103	Adam Beissel M 9:00am - 11:30am *Socio-Historical Aspects of Sport & Physical Culture.*	Seats (Total: 15) SPH 0223
0105	Ben Hurley W 8:00am - 10:45am *Exercise and Chronic Disease*	Seats (Total: 15) SPH 0301
0106	Stephen McDaniel W 2:00pm - 4:30pm *From Pastime to Pathology: Consumer Behavior in Gambling*	Seats (Total: 10) ASY 3219

KNES498 **Special Topics in Kinesiology**

KNES498 Special Topics in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498C **Special Topics in Kinesiology; Exercise and Brain Health**

KNES498C Special Topics in Kinesiology: Exercise and Brain Health; (3 credits) Grade Method: REG/P-F/AUD.
Examines the evidence for exercise to affect brain function and brain health in children, in adults, and in old age. Covers the adaptations toacute and chronic exercise within brain networks related to emotion, stress reactivity, memory, and executive function, and the effectiveness of physical activity and exercise as treatments for depression, anxiety disorders, and cognitive impairment.Prerequisite: KNES350.

0101	J Carson Smith	Seats (Total: 31)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI202 and KNES300/KNES300H. Click here for more information about this course.

0101	Larry Plotkin	Seats (Total: 35)
	TuTh 8:00am - 9:15am	SPH 0305

KNES498W **Special Topics in Kinesiology; Prosthetics for Limb Amputations**

KNES498W Special Topics in Kinesiology: Prosthetics for Limb Amputations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES300. Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

0101	Douglas Collier	Seats (Total: 28)
	Tu 1:00pm - 3:30pm	EDU 3236

KNES600 **Kinesiology in Public Health**

KNES600 Kinesiology in Public Health; (3 credits) Grade Method: REG/AUD.
A broad introduction to public health within the context of the discipline of kinesiology, focusing on furthering the understanding of the ways kinesiology contributes toward achieving the goals of public health.

0101	Shannon Jette	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	SPH 2334

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES613 **Theories Physical Culture**

KNES613 Theories Physical Culture; (3 credits) Grade Method: REG/AUD.
Credit only granted for: KNES613 or KNES689I. Formerly: KNES689I. Examines and assesses numerous social and cultural theories as frameworks for critically interpreting the varied institutions, ideologies, and embodiments of physical culture.

0101	David Andrews	Seats (Total: 15)
	M 4:00pm - 6:30pm	SPH 0303

KNES618 **Current Readings in Exercise and Applied Physiology**

KNES618 Current Readings in Exercise and Applied Physiology; (1 credit) Grade Method: REG/AUD.

0101	Espen Spangenburg	Seats (Total: 12)
	F 1:00pm - 1:50pm	ONLINE

KNES660 **Psychology of Athletic Performances**

KNES660 Psychology of Athletic Performances; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES350. Credit only granted for: KNES660 or KNES689Z. Formerly: KNES689Z. Psychological factors, mechanisms, and processes in athletic performance. The basic approach is social psychological, according to which the focus is on individual performance in the interpersonal athletic context. Intrapersonal and interpersonal factors and their effects on athletic performance. Psychology of peak performance, choking, and errors of mental control. Analysis of the general principles and types of mental training.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 30) SPH 1302

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689A **Special Problems in Kinesiology; Assessing Learning in Physical Education**

KNES689A Special Problems in Kinesiology: Assessing Learning in Physical Education; (3 credits) Grade Method: REG/AUD.
A study of the principles and techniques of educational measurement used to evaluate student learning in the cognitive, psychomotor and affective domains within the context of teaching effectiveness. Students will develop research proposals for implementation during the second half of their teaching internship.

IH60	Dena Deglau W 9:00am - 12:00pm	Seats (Total: 15) SPH 0223

KNES689F **Special Problems in Kinesiology; Psychobiological Foundations of Skilled Motor Behavior**

KNES689F Special Problems in Kinesiology: Psychobiological Foundations of Skilled Motor Behavior; (3 credits) Grade Method: REG/AUD.

0101	Bradley Hatfield W 4:00pm - 6:30pm	Seats (Total: 10) SPH 2334

KNES689T **Special Problems in Kinesiology; Teaching Internship**

KNES689T *(PermReq)* **Special Problems in Kinesiology: Teaching Internship; (1-6 credits)** Grade Method: REG/AUD.
Outreach Secondary MCERT- KNES. Departmental permission required. Students are required to pay a course fee; refer to program materials for details.

CE01	Dena Deglau, Joanne Klossner	Seats (Total: 15)
	Contact instructor or department for details.	

KNES689X **Special Problems in Kinesiology; Exercise and Brain Health**

KNES689X Special Problems in Kinesiology: Exercise and Brain Health; (3 credits) Grade Method: REG/AUD.

0101	J Carson Smith	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES789 **Advanced Projects in Kinesiology**

KNES789 Advanced Projects in Kinesiology; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Fall 2014

KORA101 **Elementary Korean I**

KORA101 *(PermReq)* **Elementary Korean I; (3 credits)** Grade Method: REG.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score; and permission of ARHU-School of Languages, Literatures, and Cultures department.
Restriction: Must be a non-Heritage student with no background in Korean.
Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1215

KORA201 **Intermediate Korean I**

KORA201 Intermediate Korean I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA102; or permission of instructor. An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1215

KORA211 **Introductory Reading for Speakers of Korean I**

KORA211 Introductory Reading for Speakers of Korean I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score; and permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed two or more years of schooling in Korea.
Designed to improve the language skills of students already conversant in Korean; instruction entirely in Korean; introduction in hangul; reading and writing of simple journal entries.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1215

KORA311 **Korean for Heritage Speakers, Advanced-Low I**

KORA311 Korean for Heritage Speakers, Advanced-Low I; (3 credits) Grade Method: REG.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score; and KORA212. Or permission of instructor. Restriction: Not open to students who have completed six or more years of schooling in Korea. Begins the second year of Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 1215

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Fall 2014

LARC141 **Design Fundamentals Studio**

LARC141 *(PermReq)* **Design Fundamentals Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC140. Recommended: Concurrently enrolled in LARC263. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.

0101	Kelly Cook	Seats (Total: 15)	
	MW 2:00pm - 3:15pm	PLS 2152	
	MW 3:30pm - 4:50pm	PLS 2152	Lab

LARC151 **Urban Agriculture: Designing and Assessing Edible Landscapes**

LARC151 Urban Agriculture: Designing and Assessing Edible Landscapes; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use toaddress a variety of needs. Redevelopment, food deserts,community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and designof urban agriculture and edible landscapes. Restricted to students with less then 30 credits.

0101	Dennis Nola	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1130	
	W 1:00pm - 1:50pm	PLS 1162	Discussion
0102	Dennis Nola	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1130	
	M 1:00pm - 1:50pm	PLS 1164	Discussion

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences. Restricted to students with less then 30 credits.

0101	Instructor: TBA MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0103	Kelly Cook MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0104	Kelly Cook MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0105	Kelly Cook MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0106	Kelly Cook MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0107	Kelly Cook MW 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 18) MMH 1400 PLS 1113	Discussion
0108	Kelly Cook MW 12:00pm - 12:50pm M 5:00pm - 5:50pm	Seats (Total: 18) MMH 1400 PLS 1113	Discussion

FC01	Colleen Vacelet	Seats (Total: 20)	
	MW 6:00pm - 7:15pm	PLS 1130	
	Restricted to students in Freshmen Connection.		

LARC265 **Site Analysis and Ecological Principles**

LARC265 Site Analysis and Ecological Principles; (3 credits) Grade Method: REG.
Prerequisite: LARC141. Corequisite: LARC240 and LARC221. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC265 or ARCH460. Principles and methods of site analysis with an emphasis on the application of ecological principles in landscape architecture, architecture and planning.

0101	Dennis Nola	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	MTH 1311	

LARC320 **Principles of Site Engineering**

LARC320 *(PermReq)* **Principles of Site Engineering; (3 credits)** Grade Method: REG.
Prerequisite: LARC221. Corequisite: LARC340. Restriction: Must be in Landscape Architecture program; and junior standing or higher. The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.

0101	Instructor: TBA	Seats (Total: 20)	
	TuTh 8:00am - 9:15am	PLS 2150	
	Th 9:30am - 10:45am	PLS 2150	Lab

LARC340 **Site Planning and Design Studio**

LARC340 *(PermReq)* **Site Planning and Design Studio; (5 credits)** Grade Method: REG.
Prerequisite: LARC221; and LARC240; and LARC265. Corequisite: LARC320. Restriction: Must be in Landscape Architecture program; and junior standing or higher. An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.

0101	Dennis Nola	Seats (Total: 17)	
	MW 1:00pm - 1:50pm	PLS 2150	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC389 **Internship in Landscape Architecture**

LARC389 *(PermReq)* **Internship in Landscape Architecture; (3 credits)** Grade Method: REG.

0101	Steven Cohan	Seats (Total: 15)	
	W 9:00am - 9:50am	PLS 1119	
	Contact instructor or department for details.		

LARC420 **Professional Practice**

LARC420 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321. Restriction: Must be in Landscape Architecture program. An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Arlie Ison	Seats (Total: 30)	
	Tu 9:00am - 11:50am	PLS 0104	Lab

LARC440 **Urban Studio Design**

LARC440 *(PermReq)* **Urban Studio Design; (5 credits)** Grade Method: REG. *Prerequisite: LARC321; and LARC340; and LARC341. Restriction: Must be in Landscape Architecture program.* The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Jack Sullivan	Seats (Total: 17)	
	MW 1:00pm - 1:50pm	PLS 2148	
	MW 2:00pm - 4:50pm	PLS 2148	Lab

LARC452 **Green Infrastructure and Community Greening**

LARC452 Green Infrastructure and Community Greening; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or permission of instructor. Restriction: Junior standing or higher. Credit only granted for: LARC489G or LARC452. Formerly: LARC489G. A critical look and exploration of green infrastructure (GI) elements in the built environment in contributing to ecosystems services and the sustainability of the built environment. The course explores the science, issues, challenges, and the policy, planning and design solutions offered by green infrastructure.

0101	Christopher Ellis, David Myers	Seats (Total: 10)	
	W 10:00am - 10:50am	PLS 1113	
	F 10:00am - 11:50am	PLS 1176	
0102	Christopher Ellis, David Myers	Seats (Total: 10)	
	W 10:00am - 10:50am	PLS 1113	
	F 10:00am - 11:50am	PLS 1176	
	Restricted to Landscape Architecture majors.		

LARC470 **Landscape Architecture Seminar**

LARC470 *(PermReq)* **Landscape Architecture Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321; and LARC341. Corequisite: LARC440. Restriction: Senior standing; and must be in Landscape Architecture program. A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Kelly Cook M 9:00am - 11:50am	Seats (Total: 13) PLS 1162

LARC489R **Special Topics in Landscape Architecture; Fundamental Graphics**

LARC489R *(PermReq)* **Special Topics in Landscape Architecture: Fundamental Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of AGNR-Plant Science & Landscape Architecture department; and must be in Landscape Architecture program. Exploration of fundamental graphics used in landscape architecture.

0101	Ann Anderson TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 2152

LARC489T **Special Topics in Landscape Architecture; Seminars in Landscape Architecture**

LARC489T Special Topics in Landscape Architecture: Seminars in Landscape Architecture; (1 credit) Grade Method: REG/P-F/AUD.
Also offered as PLSC489T.

0101	David Myers W 11:00am - 11:50am	Seats (Total: 20) PLS 1115

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

LARC620 Graphic Tools for Landscape Representation; (3 credits) Grade Method: REG/AUD.
Corequisite: LARC640. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. This course integrates digital and analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 10:00am - 10:50am	PLS 1142	
	TuTh 11:00am - 11:50am	PLS 1142	Lab

LARC640 **Graduate Studio I**

LARC640 Graduate Studio I; (5 credits) Grade Method: REG/AUD.
Corequisite: LARC620. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Principles and techniques of design as applied to shaping the landscape; developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.

0101	Byoung-Suk Kweon	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC642 **Graduate Studio III**

LARC642 Graduate Studio III; (5 credits) Grade Method: REG/AUD.
Prerequisite: LARC641. Corequisite: LARC670. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.

0101	Christopher Ellis	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC670 **Landscape Architecture Theory and Criticism**

LARC670 Landscape Architecture Theory and Criticism; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Review and analysis of the body of literature concerning landscape architecture and relationships between humans and both natural and designed environments. Topics may include: rationalism, ethics, aesthetics, social and economic values, postmodernism, feminist, multiculturalism, ecological determinism, preservation/conservation, and sustainability and ecological design. Each week students will lead a debate and discussion on a theoretical issue based on the assigned readings for that week.

0101	Kelly Cook	Seats (Total: 10)
	M 9:00am - 11:50am	PLS 1162

LARC699 **Independent Studies in Landscape and Architecture**

LARC699 *(PermReq)* **Independent Studies in Landscape and Architecture; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC721 **Landscape Construction Methods and Materials**

LARC721 Landscape Construction Methods and Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Basic methods of constructing landscapes and manipulating the appropriate plant and inorganic materials for the creation of ecologically sustainable environments for human use. An examination of the use, properties, and detailing of materials used in landscape construction.

0101	Instructor: TBA W 8:00am - 9:15am W 9:30am - 10:45am	Seats (Total: 10) PLS 2154 PLS 2154	

LARC748 **Advanced Special Topics Studio**

LARC748 Advanced Special Topics Studio; (5 credits) Grade Method: REG/AUD.

0101	Victoria Chanse TuTh 1:00pm - 1:50pm TuTh 2:00pm - 4:50pm	Seats (Total: 10) PLS 2156 PLS 2156	 Lab

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Fall 2014

LASC234 **Issues in Latin American Studies I**

LASC234 Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115
0201	Reid Gustafson MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 1315

LASC234H **Issues in Latin American Studies I**

LASC234H Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0201	Reid Gustafson	Seats (Total: 5)
	MW 2:00pm - 3:15pm	EDU 1315

LASC248N **Special Topics in Latin American Studies; American Indians in Literature and Film: Perspectives North and South**

LASC248N Special Topics in Latin American Studies: American Indians in Literature and Film: Perspectives North and South; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT285.

0101	Regina Harrison	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 0214

LASC348L **Special Topics in Latin American Studies; Recent History of Latin America: Leftist Revolutions, Dictatorships and the Transition to Democracy 1960s-2010**

LASC348L Special Topics in Latin American Studies: Recent History of Latin America: Leftist Revolutions, Dictatorships and the Transition to Democracy 1960s-2010; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST329L. Credit granted for HIST329L or LASC348L.

0101	Instructor: TBA	Seats (Total: 40)
	TuTh 9:30am - 10:45am	SQH 1120

LASC448J **Special Topics in Latin American Studies; Aztec Culture: Human Sacrifice and Conquest**

LASC448J Special Topics in Latin American Studies: Aztec Culture: Human Sacrifice and Conquest; (3 credits) Grade Method: REG.
Also offered as RELS419J. Credit will be granted for LASC448J or RELS 419J.

0101	James Maffie	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 2121

LASC448P **Special Topics in Latin American Studies; Oral Narratives in Latin America: Approaches to Latin America from the Cold War to the Present**

LASC448P Special Topics in Latin American Studies: Oral Narratives in Latin America: Approaches to Latin America from the Cold War to the Present; (3 credits) Grade Method: REG.
Also offered as HIST429P. Credit granted for HIST429P or LASC448P.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TLF 2103

LASC448Q **Special Topics in Latin American Studies; Amazon through Film**

LASC448Q Special Topics in Latin American Studies: Amazon through Film; (3 credits) Grade Method: REG.
Also offered as ANTH468D.

0101	Janet Chernela	Seats (Total: 31)
	M 2:00pm - 4:45pm	ASY 3215

LASC458 **Senior Capstone Course in Latin American Studies**

LASC458 Senior Capstone Course in Latin American Studies; (3 credits) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 12)
	W 12:00pm - 2:30pm	EGR 1110

LATN Latin Fall 2014

LATN101 **Elementary Latin I**
Contact department for information to register for this course.

LATN102 **Elementary Latin II**
Contact department for information to register for this course.

LATN120 **Intensive Latin**

LATN120 Intensive Latin; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-Classics department. Restriction: Must not have completed LATN102. Elements of Latin grammar and vocabulary; elementary reading. The first year's study of Latin compressed into a single semester.

0101	Judith Hallett	Seats (Total: 20)
	MWF 10:00am - 10:50am	MMH 3418
	F 9:00am - 9:50am	MMH 3418

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 2:00pm - 3:50pm	MMH 1218

LATN304 **Cicero and Sallust**

LATN304 Cicero and Sallust; (3 credits) Grade Method: REG.
Prerequisite: LATN201; or students who have taken courses with comparable content may contact the department. Selected speeches of Cicero and selections from the historian Sallust. Rhetorical, social and political context. Readings are in Latin.

0101	Eric Adler	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2207

LATN369L **Special Topics in Study Abroad III; Lyric and Elegy**
Contact department for information to register for this course.

LATN410 **Latin Historians**

LATN410 Latin Historians; (3 credits) Grade Method: REG/P-F/AUD.
Latin historical writing as a literary genre. Influences, style, and literary techniques. Readings are in Latin. Shared room assignment with LATN688. Schedule in SKN 1115 if possible.

0101	Eric Adler	Seats (Total: 10)
	Tu 6:15pm - 8:55pm	MMH 1218

LATN415 **Vergil's Aeneid**

Contact department for information to register for this course.

LATN472 **Historical Development of the Latin Language**

LATN472 Historical Development of the Latin Language; (3 credits) Grade Method: REG/P-F/AUD.

Credit only granted for: LATN472 or LING431. An analysis of the development of the Latin language from archaic times to the Middle Ages.

0101	Judith Hallett	Seats (Total: 10)
	M 5:00pm - 7:40pm	MMH 1218

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN672 **Historical Development of the Latin Language**

LATN672 Historical Development of the Latin Language; (3 credits) Grade Method: REG/AUD.

An analysis of the development of the Latin language from the archaic period to the Middle Ages.

0101	Judith Hallett	Seats (Total: 10)
	M 5:00pm - 7:40pm	MMH 1218

LATN688R **Special Topics in Latin Literature; Latin Historians**

LATN688R Special Topics in Latin Literature: Latin Historians; (3 credits) Grade Method: REG/AUD.

0101	Eric Adler Tu 6:15pm - 8:55pm	Seats (Total: 10) MMH 1218

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Fall 2014

LBSC602 **Serving Information Needs**

LBSC602 Serving Information Needs; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC602, or both LBSC601 and LBSC650.* An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.

0101	Beth St Jean M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
0201	Beth St Jean Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 4113
ML01	Julie Strange, Mary Choquette Class time/details on ELMs *Restricted to MLS General Cohort students only.*	Seats (Total: 25) ONLINE
SG01	Julie Strange, Mary Choquette Class time/details on ELMs	Seats (Total: 30) ONLINE

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Restriction: Admission to the Archives, Records, and Information Management Specialization; or permission of instructor. Introduction to all aspects of archival work, including records management, selection, appraisal, arrangement, description, preservation, reference, outreach, and special media including electronic records. Overview of the elements of an archival program, the role and work of archivists, contemporary issues and conditions, and professional needs.

0101	Ricardo Punzalan W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109

LBSC620 **Diverse Populations, Inclusion, and Information**

LBSC620 Diverse Populations, Inclusion, and Information; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services.

0101	Michelle Hamiel W 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119
ML01	Mega Subramaniam Class time/details on ELMs *Restricted to E-Government students only.*	Seats (Total: 20) ONLINE

LBSC631 **Achieving Organizational Excellence**

LBSC631 Achieving Organizational Excellence; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635. Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

0101	Gary White W 6:00pm - 8:45pm	Seats (Total: 30) PLS 1117
0201	Paul Wester Tu 6:00pm - 8:45pm	Seats (Total: 30) PLS 1117
ML01	Bruce Dearstyne Class time/details on ELMs *Restricted to MLS General Cohort students only.*	Seats (Total: 25) ONLINE

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Edith Ching Class time/details on ELMs	Seats (Total: 25) ONLINE

LBSC671 **Creating Information Infrastructures**

LBSC671 Creating Information Infrastructures; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC671, or LBSC670 and LBSC690. Foundations of acquiring and managing collections, information structures, indexing and discovery systems needed by information professionals. An introduction to the theoretical concepts, trends, systems, and technologies central to the information field.

0101	Nathan Putnam M 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119
0201	Katy Lawley Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
SG01	Erik Mitchell Class time/details on ELMs	Seats (Total: 30) ONLINE

LBSC682 **Management of Electronic Records & Information**

LBSC682 Management of Electronic Records & Information; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Role of archivists and records managers in the management of electronic records. Focuses on the life cycle of records and the impact of technology programs for managing electronic records.

0101	Robert Spangler Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

LBSC684 **Archival Arrangement and Description**

LBSC684 Archival Arrangement and Description; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Principles of archival arrangement and description and their application to making archival material available for research and other uses. National and international standards for archival description. Studies of users of archival descriptive systems. Current and emerging issues.

0101	Kenneth Heger W 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC702 **User Instruction**

LBSC702 User Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Critical analysis of the rationale, content, and processes of user instruction in library and information settings.

0101	Instructor: TBA M 6:00pm - 8:45pm	Seats (Total: 30) HBK 1108

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Michael Kurtz Th 6:00pm - 8:45pm	Seats (Total: 20) HBK 4113

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

0101	Wendy Simmons Tu 6:00pm - 8:45pm	Seats (Total: 25) HBK 0123

LBSC708E **Special Topics in Information Studies; Digital Government Information**

LBSC708E Special Topics in Information Studies: Digital Government Information; (3 credits) Grade Method: REG/AUD.

ML01	John Shuler Class time/details on ELMs *Restricted to E-Government Cohort students only.*	Seats (Total: 20) ONLINE

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods. Restricted to LBSO students only.

ML01	John Bertot	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

LBSC731 **Special Collections**

LBSC731 Special Collections; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605 or LBSC602; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Management of special collections, whose holdings may include manuscripts (particularly personal papers), non-textual materials, graphical materials, and rare books, with analysis of the custodial and management functions associated with special collections.

0101	Douglas McElrath	Seats (Total: 30)
	M 6:00pm - 8:45pm	EGR 0108

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Corey Williams	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 0115

LBSC741 **Seminar in School Library Administration**

LBSC741 Seminar in School Library Administration; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Development, management, and evaluation of school library programs at all levels.

SG01	Sheri Massey	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640; and permission of INFO-College of Information Studies. School librarians' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

SG01	Mega Subramaniam	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LBSC791 **Designing Principled Inquiry**

LBSC791 Designing Principled Inquiry; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 15 credits in LBSC course work. Restriction: Permission of INFO-College of Information Studies. Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.

0101	Paul Jaeger	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 1112

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Fall 2014

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: LGBT200. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Julie Enszer TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1121
0201	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 40) SQH 1103

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

LGBT265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265. Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman MWF 11:00am - 11:50am	Seats (Total: 30) TWS 1107

0201	Collier Cobb TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2117

LGBT350 **Lesbian, Gay, Bisexual, and Transgender People and Communication**

LGBT350 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender People and Communication; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Cultural Competency.
Prerequisite: LGBT200; and permission of LGBT Studies Program. Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).

0101	Luke Jensen W 3:30pm - 5:10pm Contact instructor or department for details.	Seats (Total: 12) WDS 1131

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Cultural Competency.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448K **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sexual Orientation, Gender Identity, and Human Rights**

LGBT448K Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Sexual Orientation, Gender Identity, and Human Rights; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

0101	Instructor: TBA TuTh 5:00pm - 6:15pm	Seats (Total: 30) TLF 1103

LGBT459M **Selected Topics in Sexuality and Literature; American Poetry: Beginning to the Present**

LGBT459M Selected Topics in Sexuality and Literature: American Poetry: Beginning to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL435. Credit will be granted for ENGL435 or LGBT459M. Selections of American poetry, from Bradstreet to contemporary free verse. Authors such as Whitman, Dickinson, Bishop, Hughes, Rich, an Frost.

0101	Martha Nell Smith MW 3:30pm - 4:45pm	Seats (Total: 23) TWS 0221

LGBT465 **Theories of Sexuality and Literature**

LGBT465 Theories of Sexuality and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed two lower-level English courses, at least one in literature. Restriction: Must not have completed ENGL465. Also offered as: ENGL465. Credit only granted for: ENGL465 or LGBT465. An in-depth study of the ways in which sexuality and sexual difference create or confound the conditions of meaning in the production of literary texts. Attention to psychoanalysis, history of sexuality, feminist theory, and other accounts of sexual identity.

0101	James Goodwin MW 2:00pm - 3:15pm	Seats (Total: 23) TWS 0236

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT499Z **Independent Study**
Contact department for information to register for this course.

LING Linguistics Fall 2014

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) KEY 0106 ASY 3207	 Discussion
0102	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) KEY 0106 TYD 1102	 Discussion
0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) KEY 0106 PLS 1113	 Discussion
0106	Instructor: TBA MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 TYD 1102	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Additional information: Required for Linguistics majors and recommended for students in related fields. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Tonia Bleam	Seats (Total: 50)
	MWF 11:00am - 11:50am	LEF 2208

LING248 **Introduction to Laboratory Research in Linguistics**

LING248 Introduction to Laboratory Research in Linguistics; (2-3 credits) Grade Method: REG.

0101	Jeffrey Lidz	Seats (Total: 15)
	Contact instructor or department for details.	

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 0108

LING320 **Phonetics**

LING320 Phonetics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Minimum grade of C- in LING200. Recommended: LING240. Additional information: This course counts as a core course for the linguistics major. Only one of Ling320 or HESP403 can be used to count towards the Linguistics major.
Representations and models of acoustic and articulatory phonetics. Develops concepts and skills for description, measurement and scientific analysis of the sound systems of human languages, including various varieties of English.

0101	Michael Key	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 0104

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MMH 0108

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or LING311. Also offered as: PHIL360. Credit only granted for: LING350 or PHIL360. The nature and function of language and other forms of symbolism from a philosophical perspective.

0101	Alexander Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SKN 1115

LING419L **Topics in Syntax; Learning Meanings**

LING419L Topics in Syntax: Learning Meanings; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: LING 311 in addition to either LING 410 or LING 444; or permission of the instructor. An introduction to various models of word-learning, with a focus on their relationship to linguistic theory. Students will investigate the contextual cues---e.g. linguistic structure, ambient environment, etc.---children have access to in learning words as well as how those cues are used. This topic lies at the intersection of linguistics, psychology, and computer science, and as such, we will bring methods from all three to bear. No previous coursework in psychology or computer science is necessary.

0101	Aaron White	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	MMH 3418

LING444 **Child Language Acquisition**

LING444 Child Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.

0101	Jeffrey Lidz	Seats (Total: 20)
	TuTh 9:30am - 10:45am	WDS 1127

LING448 **Advanced Laboratory Research in Linguistics**

LING448 Advanced Laboratory Research in Linguistics; (2-3 credits) Grade Method: REG.

0101	Jeffrey Lidz	Seats (Total: 15)
	Contact instructor or department for details.	

LING449D **Topics in Psycholinguistics; Grammatical Processes in Speaking**

LING449D Topics in Psycholinguistics: Grammatical Processes in Speaking; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Recommended: LING440. Speaking a sentence involves a complex transformation from concepts to sounds. This transformation process must encode the grammar of a language in a (mostly) accurate and efficient fashio. In this course, we will examine in detail how speakers manage to achieve such a fast and robust encoding of grammar, reviewing both classic and state-of-the-art experimental research on sentence production and on human memory as it relates to sentence production.

0101	Shota Momma	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	KEY 0124

LING460 **Diversity and Unity in Human Languages**

LING460 Diversity and Unity in Human Languages; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: LING240 or LING200. Fundamentals of grammatical typology as they relate to issues in social attitudes towards language. Linguistic structure of standard and non-standard languages and dialects. Relationship of different writing systems to linguistic structure. Issues in bilingualism and multilingualism.

0101	Corey Miller	Seats (Total: 15)
	MW 3:00pm - 4:15pm	JMZ 3203

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Teaching Assistantship to Ling 499C**

LING499C Directed Studies in Linguistics: Teaching Assistantship to Ling 499C; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Antonisse	Seats (Total: 4)
	Contact instructor or department for details.	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

LING610 Syntactic Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING312. Intensive introduction to transformational syntax.

0101	Howard Lasnik	Seats (Total: 15)	
	Tu 2:00pm - 4:30pm	MMH 1108B	
	Th 2:00pm - 3:30pm	MMH 1108B	Discussion

LING620 **Phonological Theory**

LING620 Phonological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING322. Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1226

LING640 **Psycholinguistics**

LING640 Psycholinguistics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips	Seats (Total: 20)
	MW 12:00pm - 1:30pm	MMH 1108B

LING659F **Structure of a Language; Field Methods**

LING659F Structure of a Language: Field Methods; (3 credits) Grade Method: REG/AUD.
This course is a practical introduction to the methods of primary linguistic research. We will work with a native speaker of a language that is, for the most part, unfamiliar to us, to uncover facts about the phonology, morphology, and syntax of the language

0101	Instructor: TBA W 2:00pm - 5:00pm	Seats (Total: 20) ARM 0101

LING660 **Introduction to Semantics**

LING660 Introduction to Semantics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

0101	Paul Pietroski MW 10:00am - 11:30am	Seats (Total: 15) PLS 1168

LING663 **Pragmatics**

LING663 Pragmatics; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING660 or PHIL660; or permission of instructor. Recommended: LING661. An intensive introduction to formal linguistic pragmatics: the study of systematic dependencies of meaning on context of use. Topics will include implicature, presupposition, reference, topic, focus, and the linguistic means of expressing these.

0101	Alexander Williams M 2:00pm - 4:30pm	Seats (Total: 20) JMZ 1215

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 10)
	F 2:00pm - 4:00pm	KEY 0102

LING698T **Directed Study; Pedagogy for Linguistics**

LING698T Directed Study: Pedagogy for Linguistics; (1 credit) Grade Method: REG/AUD.
Required for LING200 Teaching Assistants.

0101	Margaret Antonisse	Seats (Total: 6)
	Contact instructor or department for details.	

LING723 **Computational Linguistics I**

LING723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor. Also offered as: CMSC723, INST735. Credit only granted for: CMSC723, LING723, or INST735. Formerly: LING645. Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 2120

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING848 **Seminar in Computational Linguistics**

LING848 Seminar in Computational Linguistics; (3 credits) Grade Method: REG/AUD.

0101	Philip Resnik	Seats (Total: 20)
	W 2:00pm - 4:30pm	MMH 1108B

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889E **Directed Research; Professional Methods**

LING889E Directed Research: Professional Methods; (1 credit) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 15)
	W 12:00pm - 1:30pm	MMH 1401G

LING889F **Directed Research; Field Methods**

LING889F Directed Research: Field Methods; (3 credits) Grade Method: REG/AUD.
This course is a practical introduction to the methods of primary linguistic research. We will work with a native speaker of a language that is, for the most part, unfamiliar to us, to uncover facts about the phonology, morphology, and syntax of the language

0101	Instructor: TBA	Seats (Total: 20)
	W 2:00pm - 5:00pm	ARM 0101

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH Mathematics Fall 2014

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F.
A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class in addition to the regular tuition charge.

0102	Ingrid Brown-Scott MWF 8:00am - 9:50am	Seats (Total: 25) COL 0104
	Restricted to students in the STEP Program only. Contact Kaye Guidugli at (301) 314-8418 for more information.	
0201	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 37) CEN 0200
0202	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 17) COL 0104
0302	Lee Ann Lewis MWF 12:00pm - 1:50pm	Seats (Total: 25) COL 0104
	Restricted to students in the STEP Program only. Contact Kaye Guidugli at (301) 314-8418 for more information.	
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 37) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 17) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 37) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 17) COL 0104
FC01	Jack Baker MW 6:00pm - 8:45pm	Seats (Total: 45) CEN 0200
	Restricted to students in Freshman Connection.	
FC02	Jack Baker MW 6:00pm - 8:45pm	Seats (Total: 20) COL 0104
	Restricted to students in Freshman Connection.	

MATH010 Algebra for MATH 110

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively, and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course, provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 25) ARM 0101
1301	Ben Bezejouh MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1201	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 25) ARM 0119

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 9:00am - 9:50am	Seats (Total: 35) ARM 0116
1201	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 34) ARM 0116
1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 34) ARM 0116
1501	Debra Franklin MTuWThF 2:00pm - 2:50pm	Seats (Total: 34) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Kimberly Fouche MTuWThF 8:00am - 8:50am	Seats (Total: 30) ARM 0119
1102	Stephen Kcenich MTuWThF 8:00am - 8:50am	Seats (Total: 30) ARM 0105
1401	Ben Bezejouh MTuWThF 2:00pm - 2:50pm	Seats (Total: 34) ARM 0117

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH110 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH220, MATH130, or MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI83 or TI83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0403	
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0403	
FC01	Julie Daberkow MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0411	

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH111 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 28) MTH 0307	
0102	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 28) MTH 0106	
0201	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0307	
0202	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 28) MTH 0106	
0311	Instructor: TBA MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0201	Discussion

0321	Instructor: TBA MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 25) ARM 0131 MTH 0201	Discussion
0331	Instructor: TBA MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH 0104	Discussion
0341	Instructor: TBA MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 25) ARM 0131 MTH 0104	Discussion
FC01	Eric Hamilton TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0303	

MATH113 **College Algebra and Trigonometry**

MATH113 College Algebra and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH220, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115. Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0101	Jacqueline Stone MWF 10:00am - 10:50am	Seats (Total: 31) ARM 0119	
0102	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0304	
0103	Santuria Orsetti MWF 10:00am - 10:50am	Seats (Total: 31) ARM 0116	

0104	Matthew Dellatorre MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0403
0105	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 30) ARM 0105
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 30) ARM 0119
0202	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 31) MTH 0101
0203	Karen McLaren MWF 11:00am - 11:50am	Seats (Total: 30) MTH B0427
0204	Matthew Dellatorre MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0409
0205	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 31) ARM 0105
0301	Instructor: TBA MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0401
0302	Sahil Chopra MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0409
0401	Instructor: TBA MWF 4:00pm - 4:50pm	Seats (Total: 30) MTH 0401
0402	Sahil Chopra MWF 4:00pm - 4:50pm	Seats (Total: 30) MTH 0409
FC01	Lucas Tcheuko MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0303
FC02	Kathryn Truman MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0305

FC03	Lucas Tcheuko MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0303	

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113. Preparation for MATH220, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0111	Frances Gulick MWF 9:00am - 9:50am MWF 10:00am - 10:50am	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0121	Frances Gulick MWF 9:00am - 9:50am MWF 11:00am - 11:50am	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0131	Frances Gulick MWF 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0141	Frances Gulick MWF 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0151	Frances Gulick MWF 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 28) ARM 0126 ARM 0112	 Lab

0161	Frances Gulick MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0171	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:15pm	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
0181	Frances Gulick MWF 9:00am - 9:50am TuTh 12:30pm - 1:45pm	Seats (Total: 28) ARM 0126 ARM 0112	 Lab
FC01	Jonathan Huang MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0303	
FC02	Instructor: TBA MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0305	
FC03	Jonathan Huang MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0201	
FC04	Instructor: TBA MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0306	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH112; or minimum grade of C- in MATH113; or minimum grade of C- in MATH115; or permission of CMNS undergraduate program office. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Instructor: TBA MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0121	Instructor: TBA MWF 10:00am - 10:50am TuTh 9:30am - 10:20am	Seats (Total: 29) ARM 0126 MTH 0305	Discussion
0131	Instructor: TBA MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0141	Instructor: TBA MWF 10:00am - 10:50am TuTh 12:30pm - 1:20pm	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0211	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0212	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0405	Discussion
0221	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0222	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 25) ARM 0131 MTH 0405	Discussion
0231	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0241	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0405	Discussion

0242	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0251	McBlaine Boyle TuTh 12:30pm - 1:45pm MW 1:00pm - 1:50pm	Seats (Total: 27) ARM 0131 MTH 0405	Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0211	Instructor: TBA TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0212	Casey Cremins TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0103	Discussion
0221	Instructor: TBA TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0222	Casey Cremins TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0102	Discussion
0231	Instructor: TBA TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0407	Discussion

0232	Casey Cremins TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0102	Discussion
0241	Instructor: TBA TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 27) ARM 0131 MTH 0407	Discussion
0242	Casey Cremins TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 27) ARM 0131 MTH 0102	Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH130, MATH220, or MATH140. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0102	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0302	Discussion
0113	Instructor: TBA MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 1313	Discussion

0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0102	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 1313	Discussion
0131	Instructor: TBA MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 0102	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 1313	Discussion
0211	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion
0212	Instructor: TBA MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0213	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0131 MTH 0403	Discussion
0221	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion
0222	Instructor: TBA MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH 0307	Discussion

0223	Instructor: TBA MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH 0403	Discussion
0231	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion
0232	Instructor: TBA MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0131 MTH 0307	Discussion
0311	Frances Gulick MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0201	Discussion
0312	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0106	Discussion
0313	Frances Gulick MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0131 MTH B0429	Discussion
0321	Frances Gulick MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH 0201	Discussion
0322	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH 0106	Discussion
0323	Frances Gulick MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH B0429	Discussion
0331	Frances Gulick MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0131 MTH 0201	Discussion

0332	Frances Gulick MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0131 MTH 0106	Discussion
0411	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0135 MTH 0101	Discussion
0412	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0135 MTH 0103	Discussion
0421	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0101	Discussion
0422	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 MTH 0103	Discussion
0431	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0101	Discussion
0432	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0305	Discussion
0511	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0135 CHM 2201	Discussion
0512	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0135 EGR 0135	Discussion
0513	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 8:00am - 9:20am	Seats (Total: 24) ARM 0135 MMH 0108	Discussion

0521	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0135 CHM 2201	Discussion
0522	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0135 EGR 0135	Discussion
0523	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 9:30am - 10:50am	Seats (Total: 24) ARM 0135 MMH 0108	Discussion
0531	Timothy Pilachowski MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 CHM 2201	Discussion
0532	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 24) ARM 0135 PHY 1219	Discussion
FC01	Ran Cui MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0103	
FC02	Caleb Ashley MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0304	
FC03	Stephen Balady MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ARM 0105	
FC04	Eric Hamilton MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) CHM 0128	
FC05	Bradford Sanders MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ARM 0116	

MATH140H **Calculus I**

MATH140H Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH130, MATH220, or MATH140. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, or TI-86 calculator.

0101	Instructor: TBA MF 12:00pm - 12:50pm W 12:00pm - 1:50pm	Seats (Total: 28) MTH 0302 MTH 0302	
0201	Instructor: TBA WF 2:00pm - 2:50pm M 2:00pm - 3:50pm	Seats (Total: 25) MTH 0403 MTH 0403	

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0111	Wojciech Czaja MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0306	 Discussion

0112	Wojciech Czaja MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0121	Wojciech Czaja MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0306	Discussion
0122	Wojciech Czaja MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0131	Wojciech Czaja MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0306	Discussion
0132	Wojciech Czaja MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0141	Wojciech Czaja MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0306	Discussion
0142	Wojciech Czaja MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0211	Instructor: TBA MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0429	Discussion
0212	Amin Gholampour MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0411	Discussion
0221	Instructor: TBA MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0429	Discussion

0222	Amin Gholampour MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0411	Discussion
0231	Amin Gholampour MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0429	Discussion
0241	Amin Gholampour MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0251	Instructor: TBA MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0261	Instructor: TBA MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0262	Amin Gholampour MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 ARM 0117	Discussion
0311	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0312	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0321	David Hamilton MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0322	David Hamilton MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH B0425	Discussion

0331	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0332	David Hamilton MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0333	David Hamilton MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 1308	Discussion
0341	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0342	David Hamilton MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0401	Caleb Ashley MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 30) CHM 0128 PLS 1111	
FC01	Terence Long MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CSS 1113	
FC02	Ioannis Markou MWTh 3:00pm - 4:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) CHM 1224	

MATH141H Calculus II

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0101	Instructor: TBA WF 11:00am - 11:50am M 11:00am - 12:50pm	Seats (Total: 30) MTH 0105 MTH 0105
0201	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 25) MTH B0429 MTH B0429

MATH206 **Introduction to Matlab**

MATH206 Introduction to Matlab; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M. This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Justin Wyss-Gallifent **Meets September 2, 2014 - October 12, 2014** Class time/details on ELMs	Seats (Total: 500) ONLINE

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210. Reviews and extends topics of arithmetic and number theory related to the elementary school curriculum, particularly number systems and operations with natural numbers, integers, and rationals.

0101	Nathan Dykas MWF 8:00am - 8:50am	Seats (Total: 25) MTH 1308
0201	Nathan Dykas MWF 9:00am - 9:50am	Seats (Total: 25) MTH 1308
0301	Kimberly Fouche MWF 10:00am - 10:50am	Seats (Total: 25) MTH 1308
0501	Karen McLaren MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 1308

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213. Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Sean Ballentine MWF 8:00am - 8:50am	Seats (Total: 28) MTH B0425
0201	Sean Ballentine MWF 9:00am - 9:50am	Seats (Total: 28) MTH B0425

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214. Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Stephen Kcenich MWF 9:00am - 9:50am	Seats (Total: 29) MTH 0302	
0201	Timothy Pilachowski MWF 10:00am - 10:50am	Seats (Total: 29) MTH 0302	

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH113, or MATH115. Or must have math eligibility of MATH220 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Kimberly Fouche MWF 9:00am - 9:50am Th 8:00am - 8:50am	Seats (Total: 32) PHY 1412 MTH 0201	Discussion
0112	Kimberly Fouche MWF 9:00am - 9:50am Th 8:00am - 8:50am	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0121	Kimberly Fouche MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 32) PHY 1412 MTH 0201	Discussion
0122	Kimberly Fouche MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 30) PHY 1412 MTH B0427	Discussion

0131	Kimberly Fouche MWF 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH 0407	Discussion
0132	Kimberly Fouche MWF 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0141	Kimberly Fouche MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 31) PHY 1412 MTH 0407	Discussion
0142	Kimberly Fouche MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 30) PHY 1412 MTH B0427	Discussion
0211	Instructor: TBA MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0221	Instructor: TBA MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0231	Instructor: TBA MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0241	Instructor: TBA MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH 0401	Discussion
0311	Instructor: TBA TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0321	Instructor: TBA TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion

0331	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0332	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0341	Instructor: TBA TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0342	Instructor: TBA TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0351	Instructor: TBA TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0361	Instructor: TBA TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0411	Instructor: TBA TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0421	Instructor: TBA TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0431	Instructor: TBA TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0441	Instructor: TBA TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0101	Discussion

0451	Instructor: TBA TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0461	Instructor: TBA TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH 0307	Discussion
FC01	Elizabeth Wilson MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) MTH 0304	
FC02	Karamatou Yacoubou Djima MW 4:30pm - 5:45pm *Restricted to Students in Freshmen Connection.*	Seats (Total: 35) ARM 0116	
FC03	Elizabeth Wilson MW 6:00pm - 7:15pm *Restricted to Students in Freshmen Connection.*	Seats (Total: 35) MTH 0304	

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0101	David Pincus MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0425	
0201	David Pincus MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH B0425	

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0112	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH B0421	Discussion
0121	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0122	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH B0421	Discussion
0123	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 BPS 1228	Discussion
0131	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0132	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0126 MTH B0429	Discussion
0133	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0126 BPS 1236	Discussion

0141	Raluca Rosca MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0142	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 29) ARM 0126 MTH B0429	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Raluca Rosca MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0307	Discussion
0112	Raluca Rosca MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion
0121	Raluca Rosca MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0307	Discussion
0122	Raluca Rosca MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion
0131	Raluca Rosca MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0307	Discussion
0132	Raluca Rosca MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0105	Discussion

0141	Raluca Rosca MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH 0302	 Discussion
0142	Raluca Rosca MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0105	 Discussion
0201	Justin Wyss-Gallifent M 12:00pm - 1:50pm WF 12:00pm - 12:50pm	Seats (Total: 38) ARM 0110 ARM 0110	
0211	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 MTH 0106	 Discussion
0212	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 32) ARM 0126 ARM 0103	 Discussion
0221	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 MTH 0106	 Discussion
0222	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 32) ARM 0126 ARM 0103	 Discussion
0231	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0106	 Discussion
0232	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 SQH 2117	 Discussion
0241	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 32) ARM 0126 ARM 0118	 Discussion

0242	Justin Wyss-Gallifent MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 32) ARM 0126 JMZ 0122	Discussion
0311	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 PLS 1130	Discussion
0312	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 ARM 0121	Discussion
0321	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0409	Discussion
0322	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 ARM 0121	Discussion
0331	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 ARM 0103	Discussion
0332	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 ARM 0121	Discussion
0341	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 ARM 0103	Discussion
0342	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 ARM 0121	Discussion
0411	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 HBK 0123	Discussion

0412	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 EGR 2154	Discussion
0421	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 HBK 0123	Discussion
0422	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 EGR 2154	Discussion
0431	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 HBK 0123	Discussion
0432	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 EGR 2154	Discussion
0441	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 HBK 0123	Discussion
0442	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 EGR 2154	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340.* Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. For general honors students only. MATH241H will use MATLAB.

0101	Instructor: TBA MTuWF 2:00pm - 2:50pm	Seats (Total: 28) MTH B0425	

0201	Instructor: TBA MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 28) MTH 0304 MTH 0103	
0301	Instructor: TBA MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 27) CHM 0124 CHM 0124	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0211	Matei Machedon TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH B0429	Discussion
0212	Instructor: TBA TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0221	Matei Machedon TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH B0429	Discussion
0222	Instructor: TBA TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0231	Matei Machedon TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH B0429	Discussion
0232	Instructor: TBA TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion

0241	Matei Machedon TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH B0429	Discussion
0242	Instructor: TBA TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0311	Instructor: TBA TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0401	Discussion
0312	Instructor: TBA TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0321	Instructor: TBA TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0401	Discussion
0322	Instructor: TBA TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0331	Instructor: TBA TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0401	Discussion
0332	Instructor: TBA TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0341	Instructor: TBA TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH 0401	Discussion
0342	Instructor: TBA TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion

0411	Michael Jakobson TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 25) KEY 0106 MTH B0429	Discussion
0421	Michael Jakobson TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 25) KEY 0106 MTH B0429	Discussion
0431	Michael Jakobson TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 25) KEY 0106 MTH B0429	Discussion
0432	Michael Jakobson TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 25) KEY 0106 EGR 2154	Discussion
0441	Michael Jakobson TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 25) KEY 0106 MTH B0429	Discussion
0442	Michael Jakobson TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 25) KEY 0106 EGR 2154	Discussion
0511	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 32) ARM 0110	

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. For general honors students only. MATH241H will use MATLAB.

0101	Christian Zickert TuTh 12:30pm - 1:45pm	Seats (Total: 27) MTH 0105	

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH130, MATH140, or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

0101	Horst Winkelnkemper	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 0407

MATH299B **Selected Topics in Mathematics; Putnam Express**

MATH299B Selected Topics in Mathematics: Putnam Express; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Hunt	Seats (Total: 25)
	W 4:00pm - 5:30pm	MTH 0102

MATH310 **Introduction to Mathematical Proof**

MATH310 Introduction to Mathematical Proof; (3 credits) Grade Method: REG.
Prerequisite: MATH141; and must have completed or be concurrently enrolled in MATH241 or MATH340; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Steve Halperin	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0407

0201	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0307
0301	Renjie Feng MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0101

MATH314 **Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers**

MATH314 Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH214. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH314 or STAT100.* Analysis of bivariate data, probability and randomness, law of large numbers, central limit theorem, probabilities for independent and dependent events, counting techniques, random variables and probability distributions, expected values, sampling distributions, and confidence intervals.

0101	Elizabeth Fleming M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 30) EDU 2212 EDU 2121

MATH315 **Algebra for Preservice Middle School Teachers**

MATH315 Algebra for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH112, MATH113, or MATH315. Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.

0101	Karen McLaren MW 3:30pm - 4:45pm	Seats (Total: 30) COL 0100

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

MATH340 *(PermReq)* **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH140; and permission of CMNS-Mathematics department; and permission will be granted only to incoming freshmen. Credit only granted for: MATH241 or MATH340. First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	Manoussos Grillakis MWF 9:00am - 10:15am	Seats (Total: 32) MTH B0421
0201	Karin Melnick MWF 12:00pm - 1:15pm	Seats (Total: 32) MTH B0421

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have learning proposal approved by the CMNS Mathematics Department.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341). Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Raluca Rosca MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0405

0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 28) MTH 1313
0301	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0403
0401	Enrique Otarola Pasten MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0405

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240, MATH341, or MATH461. Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 25) MTH 0407

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH340); and 1 course with a minimum grade of C- from (MATH341, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department. Credit only granted for: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Christian Zickert TuTh 9:30am - 10:45am	Seats (Total: 30) MTH 0409

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and minimum grade of C- in MATH310. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Maria Cameron MWF 2:00pm - 2:50pm	Seats (Total: 38) MTH B0421

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 27) MTH B0423
0201	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 27) MTH 0409
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 27) MTH 0403

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. And permission of CMNS-Mathematics department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Denny Gulick MWF 10:00am - 10:50am	Seats (Total: 33) MTH 0201
0201	David Hamilton MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0201
0301	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0304
0401	Sandra Cerrai TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0303

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412.
Continuation of MATH410.

0101	Benjamin Manning MWF 11:00am - 11:50am	Seats (Total: 29) MTH B0421
0201	Matei Machedon TuTh 12:30pm - 1:45pm	Seats (Total: 29) MTH 0303

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and (MATH240, MATH461, or MATH341); and familiarity with MATLAB is required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Wojciech Czaja MWF 11:00am - 11:50am	Seats (Total: 25) MTH B0425

MATH424 **Introduction to the Mathematics of Finance**

MATH424 *(PermReq)* **Introduction to the Mathematics of Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH141; and 1 course with a minimum grade of C- from (STAT400, STAT410); and permission of CMNS-Mathematics department. Recommended: MATH246, MATH240, MATH241, MATH340, or MATH341. Credit only granted for: BMGT444, MATH424. Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Dionisios Margetis TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 0105
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 25) TYD 1114

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461). Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 25) BPS 1234

MATH431 **Geometry for Computer Graphics**

MATH431 Geometry for Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH461, MATH240, or MATH341. Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	James Schafer	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1308

MATH432 **Introduction to Topology**

MATH432 Introduction to Topology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH410. Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	Joel Cohen	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 2400

MATH436 **Differential Geometry of Curves and Surfaces I**

MATH436 Differential Geometry of Curves and Surfaces I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or MATH340; and (MATH461, MATH240, or MATH341); and must have completed two 400-level MATH courses (not including MATH461, 478, and 480's). Curves in the plane and Euclidean space, moving frames, surfaces in Euclidean space, orientability of surfaces; Gaussian and mean curvatures; surfaces of revolution, ruled surfaces, minimal surfaces, special curves on surfaces, "Theorema Egregium"; the intrinsic geometry of surfaces.

0101	Karin Melnick	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 0105

MATH445 **Elementary Mathematical Logic**

MATH445 Elementary Mathematical Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	Instructor: TBA	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 0407

MATH452 **Introduction to Dynamics and Chaos**

MATH452 Introduction to Dynamics and Chaos; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH246; and 1 course with a minimum grade of C- from (MATH240, MATH461). Or minimum grade of C- in MATH340 and MATH341. Also offered as: AMSC452. Credit only granted for: AMSC452 or MATH452. An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.

0101	Kelly Yancey	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 0409

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed two 400-level MATH courses (not to include MATH 461, 478, and 480's) with a minimum grade of C-. Or minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 46)
	MWF 12:00pm - 12:50pm	CSI 1121

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Benjamin Manning MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH 0403	 Discussion
0112	Benjamin Manning MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0427	 Discussion
0113	Instructor: TBA MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0135 HBK 1108	 Discussion
0121	Benjamin Manning MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH 0405	 Discussion
0122	Instructor: TBA MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0135 HBK 1108	 Discussion
0131	Benjamin Manning MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH B0425	 Discussion
0132	Instructor: TBA MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0135 HBK 1108	 Discussion
0133	Benjamin Manning MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0135 HBK 1112	 Discussion

MATH462 **Partial Differential Equations**

MATH462 Partial Differential Equations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 or MATH340; and (MATH246 or MATH341).* Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Manoussos Grillakis MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH B0427
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 28) MTH 1313

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or MATH340. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	McBlaine Boyle TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 1112

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 or MATH341. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 28) CSI 2118

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH600 **Abstract Algebra I**

MATH600 Abstract Algebra I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH405 and MATH403; or students who have taken courses with comparable content may contact the department.* Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra. Offered fall only.

0101	James Schafer	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 1311

MATH603 **Commutative Algebra**

MATH603 Commutative Algebra; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH600.* Ideal theory of Noetherian rings, valuations, localizations, complete local rings, Dedekind domains.

0101	Amin Gholampour	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 1313

MATH630 **Real Analysis I**

MATH630 Real Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	Kasso Okoudjou	Seats (Total: 25)
	MWF 9:00am - 9:50am	MTH 0103

MATH632 **Functional Analysis**

MATH632 Functional Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH631. Introduction to functional analysis and operator theory: normed linear spaces, basic principles of functional analysis, bounded linear operators on Hilbert spaces, spectral theory of selfadjoint operators, applications to differential and integral equations, additional topics as time permits.

0101	Jonathan Rosenberg	Seats (Total: 25)
	MWF 9:00am - 9:50am	MTH 0101

MATH642 **Dynamical Systems I**

MATH642 Dynamical Systems I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH432. And MATH630; or students who have taken courses with comparable content may contact the department. Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 25) MTH 1313

MATH673 **Partial Differential Equations I**

MATH673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Also offered as: AMSC673. Credit only granted for: AMSC673 or MATH673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only.

0101	Pierre-Emmanuel Jabin MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0431

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

MATH695 Teaching Seminar; (1 credit) Grade Method: REG.
Restriction: Must be in one of the following programs (Mathematics (Doctoral); Mathematics (Master's); Mathematical Statistics (Doctoral); Applied Mathematics and Scientific Computation (Master's); Mathematical Statistics (Master's); Applied Mathematics and Scientific Computation (Doctoral)). A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Justin Wyss-Gallifent W 4:00pm - 5:30pm	Seats (Total: 34) MTH B0421

MATH712 **Mathematical Logic I**

MATH712 Mathematical Logic I; (3 credits) Grade Method: REG/AUD.
Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis. Offered fall only.

0101	Michael Laskowski	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 2300

MATH730 **Fundamental Concepts of Topology**

MATH730 Fundamental Concepts of Topology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH403, MATH410, and MATH411; or students who have taken courses with comparable content may contact the department. Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.

0101	Joel Cohen	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH 1308

MATH742 **Geometric Analysis**

MATH742 Geometric Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH673 and MATH674; or MATH740. Calculus of Variations, Bochner technique, Morse theory, weak solutions and elliptic regularity, maximum principle for elliptic and parabolic equations, Green's function of the Laplacian, isoperimetric and Sobolev inequalities, continuity method, curvature and comparison results, harmonic maps, curvature prescription problems.

0101	Yanir Rubinstein	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0104

MATH744 **Lie Groups I**

MATH744 Lie Groups I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH405, MATH403, MATH411, and MATH432; or students who have taken courses with comparable content may contact the department. An introduction to the fundamentals of Lie groups, including some material on groups of matrices and Lie algebras.

0101	Jeffrey Adams	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 0102

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH808A **Selected Topics in Algebra**

MATH808A Selected Topics in Algebra; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH808M **Selected Topics in Algebra; Geometric Representation Theory**

MATH808M *(PermReq)* **Selected Topics in Algebra: Geometric Representation Theory; (3 credits)** Grade Method: REG/AUD.

0101	Swarnava Mukhopadhyay	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 2300

MATH808N **Selected Topics in Algebra; Analytic Number Theory**

MATH808N *(PermReq)* **Selected Topics in Algebra: Analytic Number Theory; (3 credits)** Grade Method: REG/AUD.

0101	Lawrence Washington	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 0305

MATH808S **Selected Topics in Algebra; Stacks**

MATH808S *(PermReq)* **Selected Topics in Algebra: Stacks; (3 credits)** Grade Method: REG/AUD.

0101	Thomas Haines MWF 11:00am - 11:50am	Seats (Total: 20) MTH 0411

MATH818A **Selected Topics in Logic**

MATH818A Selected Topics in Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH848A **Selected Topics in Geometry and Topology**

MATH848A Selected Topics in Geometry and Topology; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH858A **Selected Topics in Analysis**

MATH858A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH858F **Selected Topics in Analysis; Time-Frequency and Wavelet Analysis**

MATH858F *(PermReq)* **Selected Topics in Analysis: Time-Frequency and Wavelet Analysis; (3 credits)** Grade Method: REG/AUD.

0101	John Benedetto TuTh 11:00am - 12:15pm	Seats (Total: 25) MTH 1311

MATH868A **SelectedTopics in Complex Analysis**

MATH868A SelectedTopics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH868K **SelectedTopics in Complex Analysis; Kahler Manifolds**

MATH868K SelectedTopics in Complex Analysis: Kahler Manifolds; (3 credits) Grade Method: REG/AUD.

0101	Yanir Rubinstein	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 3114

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Fall 2014

MEES498I **Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES498I Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MEES698I. Credit granted for MEES498I or MEES698I. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)
	TuTh 2:00pm - 3:30pm	HJP 1213B

MEES606 **Cell and Molecular Biology for Environmental Scientists**

MEES606 Cell and Molecular Biology for Environmental Scientists; (4 credits) Grade Method: REG/AUD.
Prerequisite: An undergraduate course in cell biology or biochemistry. Credit only granted for: MEES698C or MEES606. Formerly: MEES698C. An invisible world courses through every living thing. This is the world of molecules, tiny machines millions of time smaller than the machines we are most familiar with, like automobiles. Individually, each of the molecules is a delicate instrument, measuring, making, weighing, and building the thing we call life. The molecules of living things are unique among the molecules of the Earth. These tiny molecular messengers, engines, and machines are built to perform highly specific tasks unlike the molecules formed by physical processes. Taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Rosemary Jagus, Allen Place	Seats (Total: 20)	
	TuTh 8:00am - 10:00am	HJP 1213B	

MEES607 **Quantitative Methods in Environmental Sciences**

MEES607 Quantitative Methods in Environmental Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220 and MATH221; or students who have taken courses with comparable content may contact the department. Credit only granted for: MEES607 or MEES698G. Formerly: MEES698G. Mathematical approaches and solutions (both analytical and numerical) that cut across environmental disciplines, and will introduce analytical techniques. Taught on the Interactive Video Network.

0101	Lawrence Sanford, Thomas Miller	Seats (Total: 20)	
	TuTh 3:30pm - 5:00pm	HJP 1213B	
	F 9:00am - 10:00am	HJP 1213B	Discussion

MEES608D **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

MEES608D Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Communication; (1 credit) Grade Method: REG/AUD.
Taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Elizabeth North	Seats (Total: 50)
	W 10:00am - 11:00am	HJP 1213B

MEES608E **Seminar in Marine-Estuarine-Environmental Sciences; Spatial Ecology**

MEES608E Seminar in Marine-Estuarine-Environmental Sciences: Spatial Ecology; (1 credit) Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Helen Bailey, Hongsheng Bi	Seats (Total: 20)
	Th 5:00pm - 6:00pm	HJP 1213B

MEES608G **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Presentations**

MEES608G Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Presentations; (1 credit) Grade Method: REG/AUD.
Also offered as BIOL608R and CONS608G. Credit granted for BIOL608R, CONS608G, or MEES608G.

0101	Keryn Gedan	Seats (Total: 12)
	W 11:00am - 12:30pm	BPS 2249

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in Omics: Cell Biology, Genetics and Genomics**

MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in Omics: Cell Biology, Genetics and Genomics; (2 credits) Grade Method: REG/AUD.
Course is taught at the Institute of Marine & Environmental Technology, Baltimore, MD and on the Interactive Video Network.

0101	Jum Sook Chung, Shao Du	Seats (Total: 10)
	F 12:00pm - 2:00pm	HJP 1213B

MEES608V **Seminar in Marine-Estuarine-Environmental Sciences; Climate Change and the Biosphere**

MEES608V Seminar in Marine-Estuarine-Environmental Sciences: Climate Change and the Biosphere; (2 credits) Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Kelly Kilbourne M 10:00am - 12:00pm	Seats (Total: 15) HJP 1213B

MEES610 **Land Margin Interactions**

MEES610 Land Margin Interactions; (4 credits) Grade Method: REG/AUD. *Credit only granted for: MEES610 or MEES698I. Formerly: MEES698I.* Broad overview of the components and biogeochemistry of the coastal zone(atmosphere, land, streams, wetlands, estuaries) and the time and space scales on which interactions occur between components. Includes 4 h of classes per week with readings from the literature, field trips, a term paper, and a forum. Course is taught on the Interactive Video Network. Taught on the Interactive Video Network.

0101	Lora Harris, Mark Castro, Thomas Fisher TuTh 10:00am - 12:00pm	Seats (Total: 15) HJP 1213B

MEES621 **Biological Oceanography**

MEES621 Biological Oceanography; (4 credits) Grade Method: REG/AUD. Population and community ecology of estuarine and marine systems; coastal and estuarine processes are emphasized in the context of oceans in general. Field and lab trips required. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Judith O'Neil, Louis Plough, Raleigh Hood TuTh 12:00pm - 2:00pm	Seats (Total: 25) HJP 1213B

MEES670 **Conservation Biology**

MEES670 Conservation Biology; (3 credits) Grade Method: REG/AUD. *Also offered as: CONS670. Credit only granted for: CONS670 or MEES670.* Conservation in the Anthropocene means conserving biodiversity and ecosystem function in the midst of climate change, habitat loss, overexploitation, altered nutrient cycling, and invasive species with protected areas and reserve networks, ecosystem restoration, and other biodiversity conservation and management schemes. Taught at College Park and on the Interactive Video Network.

0101	Keryn Gedan TuTh 10:30am - 12:00pm	Seats (Total: 24) HJP 1213C

MEES682 **Fishery Science and Management**

MEES682 Fishery Science and Management; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Aquatic production and fisheries yields. Introduction to fish population dynamics and assessment methods. Effects of fishing on resource potential yields. Causes of fluctuations in resource abundance. An emphasis on the relationship between science and management. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Michael Wilberg, David Secor	Seats (Total: 20)
	MW 1:30pm - 3:00pm	HJP 1213B

MEES698C **Special Topics in Marine-Estuarine-Environmental Sciences; Chemical Oceanography**

MEES698C Special Topics in Marine-Estuarine-Environmental Sciences: Chemical Oceanography; (3 credits) Grade Method: REG/AUD.
Taught on the Interactive Video Network.

0101	Michael Gonsior, Andrew Heyes, Kelly Kilbourne, Lee Cooper, Laura Lapham	Seats (Total: 20)
	MW 1:30pm - 3:00pm	HJP 1213C

MEES698D **Special Topics in Marine-Estuarine-Environmental Sciences; Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas**

MEES698D Special Topics in Marine-Estuarine-Environmental Sciences: Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas; (3 credits) Grade Method: REG/AUD.
Also offered as ENST689C. Credit wil be granted for ENST689C or MEES 698D. Estuaries and deltas comprise some of the most important coasts in the world. There will be an examination of the physical,biogeochemical and ecological aspects of these systems, including circulation types, sedimentation, geochemical transformations and bioprocessing, ecosystems , and human impacts.

0101	Michael Kearney	Seats (Total: 20)
	MW 8:30am - 9:45am	ANS 0422

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Also offered as GEOL453 and GEOL789L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	BPS 1232

MEES698G **Special Topics in Marine-Estuarine-Environmental Sciences; Sediment Dynamics in Coastal and Estuarine Environments**

MEES698G Special Topics in Marine-Estuarine-Environmental Sciences: Sediment Dynamics in Coastal and Estuarine Environments; (3 credits) Grade Method: REG/AUD.
Taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Cynthia Palinkas	Seats (Total: 20)
	MW 12:00pm - 1:30pm	HJP 1213B

MEES698I **Special Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES698I Special Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/AUD.
Also offered as MEES498I. Credit granted for MEES498I or MEES698I. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)
	TuTh 2:00pm - 3:30pm	HJP 1213B

MEES698N **Special Topics in Marine-Estuarine-Environmental Sciences; Seminar in Ecological and Environmental Genomics**

MEES698N Special Topics in Marine-Estuarine-Environmental Sciences: Seminar in Ecological and Environmental Genomics; (2 credits) Grade Method: REG/AUD.
Taught on the Interactive Video Network.

0101	Louis Plough MW 3:00pm - 3:50pm	Seats (Total: 20) HJP 1213B

MEES698S **Special Topics in Marine-Estuarine-Environmental Sciences; Terrestrial Ecology**

MEES698S Special Topics in Marine-Estuarine-Environmental Sciences: Terrestrial Ecology; (3 credits) Grade Method: REG/AUD.
Course taught at University of Maryland Center for Environmental Scienc es Appalachian Laboratory.

0101	Andrew Elmore TuTh 1:00pm - 2:30pm	Seats (Total: 20) Location: TBA

MEES698W **Special Topics in Marine-Estuarine-Environmental Sciences; Chemistry of Natural Waters**

MEES698W Special Topics in Marine-Estuarine-Environmental Sciences: Chemistry of Natural Waters; (3-4 credits) Grade Method: REG/AUD.
Also offered as ENCE651. Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments.

0101	Alba Torrents TuTh 8:00am - 9:15am	Seats (Total: 20) EGR 1110

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES708C **Advanced Topics in Marine-Estuarine-Environmental Science; Mixing and Transport in Coastal Waters**

MEES708C Advanced Topics in Marine-Estuarine-Environmental Science: Mixing and Transport in Coastal Waters; (3 credits) Grade Method: REG/AUD. Prerequisite: Two semesters of calculus. Course is taught at the Horn Point Laboratory and on the INteractive Video Network.

0101	Nicholas Nidzieko	Seats (Total: 15)
	TuTh 8:30am - 10:00am	HJP 1213C

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Fall 2014

MIEH309 **Environmental Health Research**

MIEH309 *(PermReq)* **Environmental Health Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Paul Turner	Seats (Total: 5)
	Contact instructor or department for details.	

0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0207	Michael Grantham Contact instructor or department for details.	Seats (Total: 5)

MIEH321 **Syphilis to SARS: Climate Change, Development and Emergence of Infectious Diseases**

MIEH321 Syphilis to SARS: Climate Change, Development and Emergence of Infectious Diseases; (3 credits) Grade Method: REG/P-F/AUD.
Syphilis to SARS will examine the influences of environmental factors, economic development, migration, and land use changes on emergence and reemergence of infectious diseases. Population growth, development, and climate change are impacting natural reservoirs of infectious diseases and how they transmit through human populations. The course will look at both historical accounts and newly emerging and reemerging diseases including influenza as examples of our role in altering the diseases that threaten us. We will also critically evaluate how the issues are portrayed in news and entertainment media and controversy about the ethics of research on deadly viruses.

SG91	Michael Grantham W 3:00pm - 5:50pm *Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.*	Seats (Total: 30) BLD3 3242

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.

Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Sacoby Wilson M 4:00pm - 6:45pm	Seats (Total: 30) SPH 0308
PLH1	James McDevitt Class time/details on ELMs	Seats (Total: 20) ONLINE

Restricted to students in MPH-PHPP or GC-PPH programs.

MIEH609 **Methods in Toxicology**

MIEH609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH688 **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

MIEH688 Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health; (1 credit) Grade Method: S-F.

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 10)

MIEH735 **Food Toxicology**

MIEH735 Food Toxicology; (3 credits) Grade Method: REG/AUD.
Recommended: BSCI440, CHEM131, or BCHM462. Credit only granted for: MIEH735 or NFSC679F. An introduction to basic concepts in toxicology in relation to toxic food contaminants and additives; both synthetic and naturally occurring. Focus on exposure routes, molecular targets and susceptible individuals. Also includes regulatory toxicology with respect food toxins. Also offered as NFSC735. Credit will be granted for MIEH735 or NFSC735.

0101	Paul Turner, Robert Buchanan W 1:00pm - 4:00pm	Seats (Total: 10) LEF 1221

MIEH740 **Environmental Health Risk Assessment**

MIEH740 Environmental Health Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0101	Amir Sapkota M 4:00pm - 6:45pm	Seats (Total: 15) PLS 1184

MIEH773 **Foodborne, Waterborne and Airborne Infectious Diseases**

MIEH773 *(PermReq)* **Foodborne, Waterborne and Airborne Infectious Diseases; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MIEH600. In-depth study of foodborne, waterborne and airborne diseases caused by bacteria, viruses and parasites. Topics will include sources and detection of causative agents; their transmission to humans via food, water, air and other environmental media; and methods of disease prevention, including food safety approaches and drinking water treatment. Classes include lectures, discussions, field-trips and hands-on field sampling and laboratory activities.

0101	Amy Sapkota W 9:00am - 11:45am	Seats (Total: 10) JMP 1202

MIEH775 **Environmental and Occupational Epidemiology**

MIEH775 Environmental and Occupational Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: An introductory course in both biostatistics and epidemiology. Recommended: Environmental Health Sciences course. The purpose of this course is to provide students with an introduction to environmental epidemiology. Students will be introduced to environmental epidemiology research study designs and potential sources of bias, exposure assessment, data analysis and applications. They will acquire skills to interpret, evaluate, and design environmental epidemiology studies.

0101	Robin Puett Tu 9:00am - 11:45am	Seats (Total: 15) EGR 3111

MIEH780 **Environmental and Occupational Hygiene**

MIEH780 Environmental and Occupational Hygiene; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610 and MIEH720. Corequisite: MIEH740. Recommended: EPIB650, MIEH771, and MIEH770. A synthesis of epdemiology, toxicology, exposure science, risk assessment, and policy. Emphasis will be on methods for prevention and control of injury and illness, the hierarchy of controls, current hot topics, and selected environmental and occupational injuries.

0101	Donald Milton Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 1302

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0201	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)

0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.
Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0201	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

MIEH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

MIEH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MLAW MPower Undergraduate Law Programs Fall 2014

MLAW100 **Justice and the Law**

MLAW100 Justice and the Law; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Course enrollment is restricted to students in the College Park Scholars Justice and Legal Thought Program (CPJT). An exploration into the relationship between justice and law, including psychological, philosophical, political and legal approaches to justice, as well as an analytical framework for understanding human rights. Restricted to College Park Scholars students in the Justice & Legal Thought Program.

0101	Instructor: TBA TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 23) CCC 1205 CCC 1200	Discussion
0102	Instructor: TBA TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) CCC 1205 CCC 1200	Discussion
0103	Instructor: TBA TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) CCC 1205 CCC 1200	Discussion

MLAW304 **Introduction to Law and Social Inquiry**

MLAW304 Introduction to Law and Social Inquiry; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in the Law and Society (MLAW) minor. An exploration of the relationship between law and society from an interdisciplinary perspective. Major themes cover the impact of law on society, society on law and social change.

0101	Robert Koulish MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) KEY 0102 HBK 0123	Discussion
0102	Robert Koulish MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) KEY 0102 HBK 0109	Discussion
0103	Robert Koulish MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) KEY 0102 HBK 0108	Discussion

MLAW388 **Law and Society Internship**

MLAW388 *(PermReq)* **Law and Society Internship; (1-4 credits)** Grade Method: REG.
Restricted to students within the Law and Society minor and permission of department.

0101	Brandee Pettus, Robert Koulish	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

MOCB Molecular and Cell Biology Fall 2014

MOCB608 **Molecular and Cell Biology Seminar**

MOCB608 *(PermReq)* **Molecular and Cell Biology Seminar; (1 credit)** Grade Method: REG.

0101	Jonathan Dinman	Seats (Total: 12)
	Contact instructor or department for details.	

MOCB608B **Molecular and Cell Biology Seminar; Bioethics**

MOCB608B Molecular and Cell Biology Seminar: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	David O'Brochta	Seats (Total: 20)
	Meets September 2, 2014 - October 18, 2014	
	F 10:00am - 11:30am	Location: TBA

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB708C **Advanced Topics in Molecular and Cell Biology; Lipid Metabolism**

MOCB708C Advanced Topics in Molecular and Cell Biology: Lipid Metabolism; (3 credits) Grade Method: REG/AUD.

0101	Liqing Yu MW 3:00pm - 4:15pm	Seats (Total: 20) ANS 0412

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Fall 2014

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0201	Jessica Kendal TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0301	Jessica Kendal TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 3160

MUED186 **Pre-professional Experiences I**

MUED186 *(PermReq)* **Pre-professional Experiences I; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program. An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession. Fulfills the College of Arts and Humanities requirement for UNIV101.

0101	Janet Montgomery	Seats (Total: 30)	
	M 1:00pm - 2:50pm	PAC 2130A	
	W 2:00pm - 2:50pm	PAC 2130A	Lab

MUED213 **String Technique and Pedagogy I**

MUED213 String Technique and Pedagogy I; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program; and must not have completed MUED113. Credit only granted for: MUED113 or MUED213. Formerly: MUED113. A study of violin, viola, cello and bass technique and pedagogy; beginning level. Emphasizes group process playing and teaching.

0101	Catherine Stewart	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

MUED217 *(PermReq)* **Brass Instrument Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program. Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Glen Brumbach	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 2540

MUED320 **Teaching Secondary Instrumental Music I**

MUED320 *(PermReq)* **Teaching Secondary Instrumental Music I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUED187. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Stephanie Prichard TuTh 8:00am - 9:50am	Seats (Total: 12) PAC 1230

MUED333 **Classroom Vocal Pedagogy**

MUED333 *(PermReq)* **Classroom Vocal Pedagogy; (2 credits)** Grade Method: REG.
Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program. An introduction to the fundamentals of group vocal pedagogy for the choral and general classroom teacher, including the teaching of posture, breathing, resonance, registration, articulation and foreign language diction as appropriate to needs of the child or adolescent singer in K-12 classroom settings.

0101	Kenneth Elpus W 4:00pm - 6:00pm	Seats (Total: 10) PAC 2130A

MUED420 **Teaching Secondary Instrumental Music II**

MUED420 *(PermReq)* **Teaching Secondary Instrumental Music II; (2 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: MUED320 and MUED311. Corequisite: MUED489. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Stephanie Prichard, Michael Hewitt Tu 9:00am - 11:00am	Seats (Total: 20) PAC 1230

MUED471 **Teaching General Music**

MUED471 *(PermReq)* **Teaching General Music; (2 credits)** Grade Method: REG.
Prerequisite: MUED222 and MUED333. Corequisite: MUED489. Restriction: Must be in Music Education program. An examination of children's musical development via model teaching experiences. Students in this course will be involved in learning appropriate techniques and materials used to plan, deliver, and assess musical instruction effectively in general music settings for K-12 students. The focus is on how to implement a sequential, balanced, and comprehensive music curriculum (i.e., artistic processes: creating, performing, and responding) that emphasizes opportunities for students to construct their own learning.

0101	Janet Montgomery Tu 9:00am - 12:00pm	Seats (Total: 15) PAC 2130A	

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 *(PermReq)* **Field Experiences: Pre-Student Teaching; (1 credit)** Grade Method: REG.
Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Stephanie Prichard Tu 7:00pm - 8:00pm	Seats (Total: 15) Location: TBA	

MUED484 **Student Teaching in Elementary School: Music**

MUED484 *(PermReq)* **Student Teaching in Elementary School: Music; (4-6 credits)** Grade Method: S-F.
Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied. Students must pay a $750.00 student teaching fee.

0101	Janet Montgomery Tu 4:30pm - 6:30pm	Seats (Total: 15) Location: TBA	Lab

MUED489G **Field Experiences; Field Experiences-General**

MUED489G *(PermReq)* **Field Experiences: Field Experiences-General; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janet Montgomery	Seats (Total: 10)	
	Th 9:00am - 12:00pm	PAC 2130A	

MUED489I **Field Experiences; Field Experiences-Instrumental**

MUED489I *(PermReq)* **Field Experiences: Field Experiences-Instrumental; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Michael Hewitt, Raymond Chaney	Seats (Total: 20)	
	Th 8:00am - 12:00pm	PAC 2540	Lab

MUED494 **Student Teaching in Secondary School: Music**

MUED494 *(PermReq)* **Student Teaching in Secondary School: Music; (4-6 credits)** Grade Method: S-F.
Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied. Students must pay a $750.00 student teaching fee.

0101	Janet Montgomery	Seats (Total: 15)	
	TBA	PAC 2130A	Lab

MUED698C **Current Trends in Music Education**

MUED698C Current Trends in Music Education; (1-3 credits) Grade Method: REG/AUD.

0101	Stephanie Prichard	Seats (Total: 15)	
	M 5:00pm - 7:30pm	PAC 2130	

MUED780 **Seminar in Music Teacher Education**

MUED780 *(PermReq)* **Seminar in Music Teacher Education; (3 credits)** Grade Method: REG.
Restriction: Must have doctoral standing in a Music Education program. Development of knowledge and skills necessary for music teacher educators. Topics include history of and reform movements in music teacher education, recruitment, education and certification of music teachers and inservice programs.

0101	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)

MUSC School of Music Fall 2014

MUSC099 **Performance Attendance**

MUSC099 *(PermReq)* **Performance Attendance; (No credit)** Grade Method: S-F.

0101	Zachariah Matteson Contact instructor or department for details.	Seats (Total: 150)

MUSC102 **Class Piano**

MUSC102 *(PermReq)* **Class Piano; (2 credits)** Grade Method: REG/P-F/AUD. Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear. For MUSC majors only.

0101	David Henry TuTh 2:00pm - 3:15pm	Seats (Total: 14) PAC 1123
0201	Mijail Tumanov Pavlov MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Mijail Tumanov Pavlov MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123
FC01	Andrew Welch TuTh 4:30pm - 5:45pm *Restricted to Freshman Connection.*	Seats (Total: 8) PAC 1123

MUSC102B **Class Piano**

MUSC102B Class Piano; (2 credits) Grade Method: REG/P-F/AUD.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.

0101	David Henry	Seats (Total: 14)
	TuTh 11:00am - 12:15pm	PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required. For students with no previous musical experience.

0101	Gerard Kunkel	Seats (Total: 12)
	MW 11:00am - 11:50am	PAC 1230

MUSC123 **Movement for Singers**

MUSC123 *(PermReq)* **Movement for Singers; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.

0101	Carmen Balthrop	Seats (Total: 15)
	Tu 6:15pm - 7:45pm	TWS 1121

MUSC127 **Vocal Diction: Italian**

MUSC127 *(PermReq)* **Vocal Diction: Italian; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department. Augmentation of private voice study. Phonetics and diction for singers of Italian and Spanish vocal literature.

0101	Diba Alvi	Seats (Total: 15)	
	TuTh 2:00pm - 2:50pm	PAC 3164	

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Katerina Zaitseva	Seats (Total: 5)	
	MW 12:00pm - 12:50pm	PAC 3160	

MUSC129 **Ensemble**

MUSC129 Ensemble; (1 credit) Grade Method: REG/P-F/AUD.

FC01	David Salness	Seats (Total: 1)	
	Contact instructor or department for details.		
	Restricted to Freshman Connection.		
FC02	Lee Hinkle	Seats (Total: 1)	
	Contact instructor or department for details.		

MUSC129A **Ensemble; Chamber Music - Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Music - Strings; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Music - Brasses; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	M 5:00pm - 7:30pm	PAC 2540	Lab
	W 5:15pm - 7:15pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sebastian Wang Th 7:00pm - 8:30pm	Seats (Total: 17) PAC 2170	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).* A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 13) LEF 2205 PAC 2164	 Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PAC 2164	 Discussion
0107	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 PAC 2200	 Discussion
0108	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PAC 2200	 Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today. For general honors students only.

0109	Instructor: TBA MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 PAC 2200	Discussion

MUSC130S **Survey of Music Literature**

MUSC130S Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today. Restricted to College Park Scholars - Arts.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 12) LEF 2205 PAC 2164	Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Henry Wixon MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 12) PAC 2168 PAC 1108	Discussion
0102	Henry Wixon MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 13) PAC 2168 PAC 1108	Discussion
0201	Henry Wixon MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 12) PAC 2168 PAC 1108	Discussion

0202	Henry Wixon MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 13) PAC 2168 PAC 1108	 Discussion
FC01	Douglas Welcome M 4:30pm - 5:45pm W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) PAC 2168 PAC 1108	 Lab

MUSC150 **Theory of Music I**

MUSC150 *(PermReq)* **Theory of Music I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Departmental audition and entrance examination. Restriction: Must be in one of the following programs (Music (Liberal Arts Program); Music (Jazz Performance Option); Music (Winds & Percussions Performance Option); Music (Voice Performance Option); Music Composition; Music (Professional Program); Music (Piano Performance Option); Music Performance-Winds and Percussion; Music Theory and Composition; Music Performance-Piano; Music Performance-Jazz Studies; Music Performance-Voice; Music Performance-Strings; Music (Strings Performance Option)).* A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Instructor: TBA MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 8) PAC 2168 PAC 3164	 Lab
0102	Instructor: TBA MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab

0301	Geoffrey Sheil MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0302	Geoffrey Sheil MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab
FC01	Alexandra Bryant MWTh 6:00pm - 7:15pm *Restricted to Freshman Connection.*	Seats (Total: 12) PAC 3168	

MUSC202 **Intermediate Class Piano I**

MUSC202 *(PermReq)* **Intermediate Class Piano I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC103; or must have equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano. Only for voice and instrumental principals with limited piano experience.

0101	Katerina Zaitseva MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Instructor: TBA MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Instructor: TBA MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion

0103	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0105	Instructor: TBA MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0106	Instructor: TBA MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0107	Patrick Warfield MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Patrick Warfield MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Patrick Warfield MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0110	Patrick Warfield MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 3168	Discussion
0111	Patrick Warfield MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 3168	Discussion
0112	Patrick Warfield MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3168	Discussion

MUSC210 The Impact of Music on Life

MUSC210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.* Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion
0108	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion

0109	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion
0110	Instructor: TBA MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion
0111	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion
0112	Instructor: TBA MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion

MUSC215 **World Popular Musics and Identity**

MUSC215 World Popular Musics and Identity; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET200 or MUSC215. Formerly: MUET200.* Focus on popular musics in different cultures with an emphasis on cross-cultural comparisons and analysis of how musics and identity intersect.

0101	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TWS 1107	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TWS 1107	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TWS 1107	Discussion
0104	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 KNI 1103	Discussion

0105	Laura Schnitker MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 KNI 1103	Discussion
0106	Laura Schnitker MW 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 25) SKN 0200 KNI 1103	Discussion
0107	Laura Schnitker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 BPS 1236	Discussion
0108	Laura Schnitker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 BPS 1236	Discussion
0109	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 BPS 1236	Discussion

MUSC220 **Selected Musical Cultures of the World**

MUSC220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.* A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	Kendra Salois MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0102	Kendra Salois MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0103	Kendra Salois MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion

0104	Kendra Salois MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0105	Kendra Salois MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0106	Kendra Salois MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
FC01	Paul Covey MW 4:30pm - 5:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) HBK 0108	

MUSC227 **Vocal Diction: German**

MUSC227 *(PermReq)* **Vocal Diction: German; (1 credit)** Grade Method: REG. *Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.* Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Joseph Regan TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164

MUSC228 **Introduction to Accompanying for Pianists**

MUSC228 *(PermReq)* **Introduction to Accompanying for Pianists; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in a major within ARHU-School ofMusic department. Permission of ARHU-School of Music department.

Contact department for information to register for this course.

MUSC229A **Ensemble; Orchestra**

MUSC229A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229F **Ensemble; Marching Band**

MUSC229F Ensemble: Marching Band; (1 credit) Grade Method: REG.
Open by audition.

0101	Lowell Sparks, Elijah Osterloh	Seats (Total: 300)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Elijah Osterloh, Lowell Sparks	Seats (Total: 300)	
	Tu 7:00pm - 9:00pm	PAC 2540	Lab

MUSC229I **Ensemble; Marching Band Auxiliary**

MUSC229I Ensemble: Marching Band Auxiliary; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Elijah Osterloh, Lowell Sparks TuTh 6:30pm - 8:30pm	Seats (Total: 50) PAC 2540	 Lab

MUSC229J **Ensemble; Jazz Ensemble**

MUSC229J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:20pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 30) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P *(PermReq)* **Ensemble: Pep Band; (1 credit)** Grade Method: REG.
Permission of Instructor.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 60)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Enrico Lopez-Yanez, James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 100) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)	
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 10)	
0301	Brendan Schnabel Contact instructor or department for details.	Seats (Total: 10)	
0401	Griffith Kazmierczak Contact instructor or department for details.	Seats (Total: 10)	

MUSC250 **Advanced Theory of Music I**

MUSC250 *(PermReq)* **Advanced Theory of Music I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in MUSC151. A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Dora Hanninen TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3160 PAC 2160	 Lab
0201	Dora Hanninen TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2160	 Lab
0202	Dora Hanninen TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 3164	 Lab

0301	Instructor: TBA TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab
0302	Instructor: TBA TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab

MUSC269R **Special Topics in Study Abroad II; From Elvis to Rap: 50 Years of History As Seen Through Rock Music**

Contact department for information to register for this course.

MUSC310 **Music History I**

MUSC310 *(PermReq)* **Music History I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC151; and permission of ARHU-School of Music department. Credit only granted for: MUSC310 or MUSC331. Formerly: MUSC331.* A historical study of Western music from Antiquity to 1600.

0101	Patrick Warfield MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2200 PAC 3168	 Discussion
0102	Patrick Warfield MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2200 PAC 3168	 Discussion
0103	Patrick Warfield MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 25) PAC 2200 PAC 3168	 Discussion

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Rachel Carlson, Edward Maclary, Steven Seigart	Seats (Total: 75)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Cynthia Bauchspies, Allan Laino, Edward Maclary	Seats (Total: 50)	
	MW 3:00pm - 3:50pm	PAC 2201	Lab
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary, Gregory Graf	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Kenneth Elpus	Seats (Total: 60)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC330 **Music History III**

MUSC330 *(PermReq)* **Music History III; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC320; and permission of ARHU-School of Music department.* A historical study of Western music from 1800 to present.

0101	Olga Haldey MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2201 PAC 2168	 Discussion
0102	Olga Haldey MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2201 PAC 2168	 Discussion

MUSC369M **Special Topics in Study Abroad III; Masterpieces of Italian Opera**
Contact department for information to register for this course.

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Nicholas Olcott MW 4:00pm - 6:00pm	Seats (Total: 15) PAC 2170	 Lab

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 1)

MUSC400S **Music Pedagogy**

MUSC400S Music Pedagogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSP315; and permission of ARHU-School of Music department.
Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Instructor: TBA M 5:00pm - 7:30pm	Seats (Total: 35) PAC 2201
0201	Sarah Fuller Contact instructor or department for details.	Seats (Total: 5)

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 *(PermReq)* **Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG.

0101	Rita Sloan Contact instructor or department for details.	Seats (Total: 5)

MUSC438K **Area Studies in Ethnomusicology; Middle East**

MUSC438K *(PermReq)* **Area Studies in Ethnomusicology: Middle East; (3 credits)** Grade Method: REG.

0101	Kendra Salois M 6:30pm - 9:00pm	Seats (Total: 20) PAC 3160

MUSC443 **Solo Vocal Literature**

MUSC443 *(PermReq)* **Solo Vocal Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330 and MUSC331; or students who have taken courses with comparable content may contact the department. The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Diba Alvi	Seats (Total: 10)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316; and permission of ARHU-School of Music department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448C **Selected Topics in Music; Chamber Music Literature**

MUSC448C *(PermReq)* **Selected Topics in Music: Chamber Music Literature; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kenneth Slowik	Seats (Total: 12)
	W 7:00pm - 9:30pm	PAC 3110A

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.
This course is for graduate vocal majors only.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2164

MUSC453 **Jazz Improvisation I**

MUSC453 *(PermReq)* **Jazz Improvisation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC345 or MUSC453. Formerly: MUSC345. Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Griffith Kazmierczak	Seats (Total: 8)
	M 7:15pm - 9:50pm	PAC 1208

MUSC455 **Theory of Jazz**

MUSC455 Theory of Jazz; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250; or permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department. Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing and articulation, notation, and introductory arranging concepts such as orchestration and form.

0101	Timothy Powell	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	PAC 3168

MUSC460 **Tonal Counterpoint I**

MUSC460 Tonal Counterpoint I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251; or permission of ARHU-School of Music department. A course in Eighteenth-Century contrapuntal techniques, analysis and original composition of two-voice dances, preludes, and inventions. Includes an introduction to the study of fugue and canon.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 3168

MUSC467 **Piano Pedagogy I**

MUSC467 Piano Pedagogy I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Cleveland Page	Seats (Total: 15)
	MW 11:00am - 12:15pm	PAC 2170

MUSC469F **Orchestral Excerpts for String Players; Bass**

MUSC469F *(PermReq)* **Orchestral Excerpts for String Players: Bass; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Robert Oppelt	Seats (Total: 15)
	W 4:30pm - 5:45pm	Location: TBA

MUSC469V **Orchestral Excerpts for String Players; Harp**

MUSC469V *(PermReq)* **Orchestral Excerpts for String Players: Harp; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Sarah Fuller	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC471 **Contemporary Compositional Techniques**

MUSC471 Contemporary Compositional Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC470; and permission of ARHU-School of Music department. Continuation of MUSC470, with emphasis on the analysis of individual works written since 1945.

0101	Thomas DeLio	Seats (Total: 15)
	W 5:30pm - 8:00pm	PAC 2164

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0101	Edward Maclary, Allan Laino MWF 11:00am - 11:50am	Seats (Total: 13) PAC 2201
0201	Edward Maclary, Cynthia Bauchspies MWF 1:00pm - 1:50pm	Seats (Total: 13) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC601 **Advanced English Lyric Diction**

MUSC601 Advanced English Lyric Diction; (1 credit) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.* Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Linda Mabbs Tu 10:30am - 12:00pm	Seats (Total: 15) PAC 2170

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.* Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Diba Alvi	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC605 **Opera Repertory I**

MUSC605 *(PermReq)* **Opera Repertory I; (1 credit)** Grade Method: REG. *Prerequisite: MUSC602; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Dominic Cossa	Seats (Total: 10)
	Th 10:30am - 12:00pm	PAC 2170

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC609 **Piano Chamber Music Practicum and Analysis**

MUSC609 *(PermReq)* **Piano Chamber Music Practicum and Analysis; (2 credits)** Grade Method: REG/AUD.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC611 **Opera Techniques I**

MUSC611 Opera Techniques I; (2 credits) Grade Method: REG/AUD. *Corequisite: MUSC601. Restriction: Permission of director of opera; and must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Instructor: TBA	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC613 **Opera Techniques III**

MUSC613 *(PermReq)* **Opera Techniques III; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC612; and permission of Director of Opera required. Corequisite: MUSC603 and MUSC605. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Instructor: TBA	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC620 **Analysis of World Music**

MUSC620 Analysis of World Music; (3 credits) Grade Method: REG. *Recommended: Completion of a seminar in transcription.* Development of skills for auditory analysis of diverse musical systems.

0101	John Witzleben	Seats (Total: 12)	
	Th 3:30pm - 6:00pm	PAC 3110A	

MUSC629A **Ensemble; Orchestra**

MUSC629A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Michael Votta MWF 11:00am - 12:30pm	Seats (Total: 20) PAC 2540	 Lab

MUSC629F **Ensemble; Marching Band**

MUSC629F Ensemble: Marching Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks MWF 3:00pm - 5:00pm	Seats (Total: 175) PAC 2540	 Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin Th 7:00pm - 8:30pm	Seats (Total: 5) PAC 1230	 Lab

MUSC629H **Ensemble; Harp**

MUSC629H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Sarah Fuller TuTh 11:00am - 12:15pm	Seats (Total: 1) Location: TBA	 Lab

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 20) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:20pm	Seats (Total: 10) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 10) PAC 1230	 Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 5)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	F 4:00pm - 6:00pm	PAC 1230	Lab
0201	Eric Shin	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Enrico Lopez-Yanez, James Ross MW 3:00pm - 5:00pm	Seats (Total: 10) PAC 1230	 Lab

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 10) PAC 2540	 Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta TuTh 3:30pm - 6:30pm	Seats (Total: 30) PAC 2540	 Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 10)
0301	Alexander Poetzschke Contact instructor or department for details.	Seats (Total: 10)
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 10)

MUSC639T **Seminar in Music; Tchaikovsky**

MUSC639T Seminar in Music: Tchaikovsky; (3 credits) Grade Method: REG/AUD.

0101	Olga Haldey Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A	

MUSC643 **Seminar in Solo Vocal Literature I**

MUSC643 Seminar in Solo Vocal Literature I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC443; or students who have taken courses with comparable content may contact the department. An intensive study of solo vocal literature from its origin to the present.

0101	Rita Sloan, Delores Ziegler W 3:00pm - 5:30pm	Seats (Total: 20) PAC 2200	

MUSC648 **Seminar in Music Research; Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research: Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Stephen Thursby Tu 7:00pm - 9:45pm	Seats (Total: 15) PAC 2515C	
0201	Instructor: TBA M 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C	
0301	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 2515C	
0401	Instructor: TBA Th 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Scot Hanna-Weir TuTh 4:30pm - 6:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	MW 3:00pm - 3:50pm	PAC 2201	Lab
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

MUSC649E Ensemble: Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Dustin Francis	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 The Theories of Heinrich Schenker; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC450; or permission of ARHU-School of Music department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio W 2:00pm - 4:30pm	Seats (Total: 10) PAC 2164

MUSC655 **Theory of Jazz**

MUSC655 *(PermReq)* **Theory of Jazz; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC655 ir MUSC699J. Formerly: MUSC699J.* Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing, articulation, notation and orchestration.

0101	Timothy Powell TuTh 3:30pm - 4:45pm	Seats (Total: 4) PAC 3168

MUSC659 **Seminar in Repertoire and Pedagogy**

MUSC659 *(PermReq)* **Seminar in Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160
0201	Michael Votta Contact instructor or department for details.	Seats (Total: 5)

MUSC659B **Seminar in Repertoire and Pedagogy; Orchestral Repertoire and Pedagogy**

MUSC659B *(PermReq)* **Seminar in Repertoire and Pedagogy: Orchestral Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC659C **Seminar in Repertoire and Pedagogy; Wind Repertoire and Pedagogy**

MUSC659C *(PermReq)* **Seminar in Repertoire and Pedagogy: Wind Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC660 **String Pedagogy**

MUSC660 String Pedagogy; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC400S or MUSC660. A study of major string pedagogical treatises, and an evaluation of string pedagogical techniques, materials, and procedures.

0101	Instructor: TBA M 5:00pm - 7:30pm	Seats (Total: 35) PAC 2201
0201	Sarah Fuller Contact instructor or department for details.	Seats (Total: 5)

MUSC669F **Orchestral Excerpts for String Players; Bass**

MUSC669F *(PermReq)* **Orchestral Excerpts for String Players: Bass; (1 credit)** Grade Method: REG/AUD.

0101	Robert Oppelt W 4:30pm - 5:45pm	Seats (Total: 15) Location: TBA

MUSC669V **Orchestral Excerpts for String Players; Harp**

MUSC669V *(PermReq)* **Orchestral Excerpts for String Players: Harp; (1 credit)** Grade Method: REG/AUD.

0101	Sarah Fuller Contact instructor or department for details.	Seats (Total: 5)

MUSC670 **Advanced Analytical Techniques I**

MUSC670 Advanced Analytical Techniques I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC451; or permission of ARHU-School of Music department. Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.

0101	Instructor: TBA M 5:30pm - 8:00pm	Seats (Total: 15) PAC 2160

MUSC675 **Music Theory Pedagogy**

MUSC675 *(PermReq)* **Music Theory Pedagogy; (3 credits)** Grade Method: REG/AUD.
Analysis of introductory level music theory courses, evaluation of text materials, and teaching approaches for music fundamentals, aural training, and basic undergraduate theory programs. Permission of the instructor required.

0101	Daniel Zimmerman TuTh 11:00am - 12:15pm	Seats (Total: 7) PAC 3160

MUSC676 **Historical Theory and Method in Ethnomusicology**

MUSC676 Historical Theory and Method in Ethnomusicology; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET675 or MUSC676. Formerly: MUET675. Reading and discussion of major works in ethnomusicology, with emphasis on schools of thought, convergence with and divergence from musicology and systematic musicology; close examination of trends in methodology and theory from the mid-eighteenth century until approximately thirty years before the present.

0101	John Witzleben M 3:30pm - 6:15pm	Seats (Total: 12) PAC 3110A

MUSC679G **Seminar in Ethnomusicology; Music and Globalization**

MUSC679G Seminar in Ethnomusicology: Music and Globalization; (3 credits) Grade Method: REG.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699C **Selected Topics in Music; Chamber Music Literature**

MUSC699C Selected Topics in Music: Chamber Music Literature; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Slowik	Seats (Total: 12)
	W 7:00pm - 9:30pm	PAC 3110A

MUSC699D **Selected Topics in Music; Diction for Pianist**

MUSC699D Selected Topics in Music: Diction for Pianist; (2 credits) Grade Method: REG/AUD.

0101	Robert McReynolds	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC699G **Selected Topics in Music; Machaut to Bernstein**

MUSC699G *(PermReq)* **Selected Topics in Music: Machaut to Bernstein; (3 credits)** Grade Method: REG/AUD.

0101	Barbara Haggh-Huglo	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	PAC 3110A

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC757 **Aural Skills for Conductors**

MUSC757 *(PermReq)* **Aural Skills for Conductors; (1 credit)** Grade Method: REG. *Restriction: Permission of ARHU-School of Music department.* Advanced musicianship skills necessary for conductors.

0101	Michael Votta	Seats (Total: 5)
	Tu 12:30pm - 1:30pm	PAC 2126
	W 1:00pm - 1:50pm	PAC 2126

MUSC758 **Advanced Aural Skills for Conductors**

MUSC758 *(PermReq)* **Advanced Aural Skills for Conductors; (1 credit)** Grade Method: REG.

0101	Michael Votta W 1:00pm - 2:15pm	Seats (Total: 5) PAC 2126

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800S **Advanced Seminar in Music Pedagogy**

MUSC800S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Instructor: TBA M 5:00pm - 7:30pm	Seats (Total: 35) PAC 2201
0201	Sarah Fuller Contact instructor or department for details.	Seats (Total: 5)

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W *(PermReq)* **Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W *(PermReq)* **Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC802A **Advanced Seminar in Music Pedagogy III**

MUSC802A *(PermReq)* **Advanced Seminar in Music Pedagogy III; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC801. Restriction: Permission of ARHU-School of Music department. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument.

0101	Robert McReynolds, Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC811 **Doctoral Opera Techniques**

MUSC811 *(PermReq)* **Doctoral Opera Techniques; (2 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC611 or MUSC811. Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles, techniques to operat e repertoire, and methodology seminar.

0101	Instructor: TBA	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC813 **Doctoral Opera Techniques III**

MUSC813 *(PermReq)* **Doctoral Opera Techniques III; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC812; and permission of ARHU-School of Music department. Credit only granted for: MUSC613 and MUSC813. Continuation of MUSC812. Techniques for opera performance: Scene Study III; Movement III; Acting III Shakespeare; Dance I; Stage Combat II; Stage Combat II; and methodology seminar.

0101	Instructor: TBA	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830A **Doctoral Seminar in Music Literature**

MUSC830A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Rita Sloan	Seats (Total: 10)	
	W 3:00pm - 5:30pm	PAC 2200	

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance. For conducting majors.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC830P **Doctoral Seminar in Music Literature**

MUSC830P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Mayron Tsong	Seats (Total: 15)
	W 12:00pm - 2:30pm	PAC 3164

MUSC830V **Doctoral Seminar in Music Literature**

MUSC830V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Rita Sloan, Delores Ziegler	Seats (Total: 10)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC831A **Doctoral Seminar in Music Literature**

MUSC831A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	Rita Sloan	Seats (Total: 1)
	TBA	PAC 2126

MUSC831C **Doctoral Seminar in Music Literature**

MUSC831C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC832A **Doctoral Seminar in Music Literature**

MUSC832A *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC831. Restriction: Permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music.

0101	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2014

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1 credit) Grade Method: REG.

0101	Robert Dooling F 10:15am - 11:15am	Seats (Total: 20) BRB 1103

NACS640 **Foundational Readings Seminar**

NACS640 *(PermReq)* **Foundational Readings Seminar; (2 credits)** Grade Method: REG.
Credit only granted for: NACS640 or NACS728R. Formerly: NACS728R. An introduction to the breadth of research in Neuroscience and Cognitive Science. Faculty will present papers to provide historical context and introduction to important issues in the fields of their research.

0101	Erica Glasper Andrews, Quentin Gaudry Tu 1:00pm - 3:00pm	Seats (Total: 12) BPS 1230

NACS641 **Introduction to Neurosciences**

NACS641 *(PermReq)* **Introduction to Neurosciences; (4 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Detailed examination of neurophysiology and sensorimotor systems.

0101	Jens Herberholz MW 3:00pm - 4:45pm	Seats (Total: 15) BPS 0283

NACS645 **Cognitive Science**

NACS645 Cognitive Science; (4 credits) Grade Method: REG/AUD.
Credit only granted for: NACS645 or NACS728Y. Formerly: NACS728Y. A study of mental representations and computations. Issues examined include computation, representations, decisions, modularity, evolution, innateness, and reductionism.

0101	William Idsardi TuTh 10:00am - 12:00pm	Seats (Total: 25) HBK 0105

NACS728E **Selected Topics in Neuroscience and Cognitive Science; Evolution of the Forebrain**

NACS728E Selected Topics in Neuroscience and Cognitive Science: Evolution of the Forebrain; (3 credits) Grade Method: REG/AUD.
This seminar takes a comparative approach to the organization and functions of important forebrain systems including the cerebral cortex (and its counterparts in non-mammals), the basal ganglia and limbic system, addressing the question of how new structures in the nervous system have evolved.

0101	Steven Brauth	Seats (Total: 15)
	F 1:00pm - 3:30pm	BPS 1103

NACS728F **Selected Topics in Neuroscience and Cognitive Science; Introduction to Funtional Magnetic Resonance Imaging**

NACS728F Selected Topics in Neuroscience and Cognitive Science: Introduction to Funtional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/AUD.

0101	Luiz Pessoa	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	BPS 1232

NACS728J **Selected Topics in Neuroscience and Cognitive Science; Biology of Chemosensory Systems**

NACS728J Selected Topics in Neuroscience and Cognitive Science: Biology of Chemosensory Systems; (3 credits) Grade Method: REG.

0101	Ricardo Araneda	Seats (Total: 10)
	MW 2:00pm - 3:15pm	BPS 1230

NACS798 **Master's Non-Thesis Research**

NACS798 Master's Non-Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS799 **Master's Thesis Research**

NACS799 Master's Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2014

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Seong-Ho Lee MW 1:00pm - 1:50pm Th 8:30am - 9:20am	Seats (Total: 25) TYD 0130 KEY 0121	 Discussion
0103	Seong-Ho Lee MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SKN 1112	 Discussion
0104	Seong-Ho Lee MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 JMZ 1120	 Discussion

0105	Seong-Ho Lee MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0106	Seong-Ho Lee MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 CHM 0124	Discussion
0107	Seong-Ho Lee MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ASY 3215	Discussion
0108	Seong-Ho Lee MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 CHM 1224	Discussion
0109	Seong-Ho Lee MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 BPS 1228	Discussion
0110	Seong-Ho Lee MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 ARM 0118	Discussion
0111	Seong-Ho Lee MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm *Recommended for NFSC majors only.*	Seats (Total: 25) TYD 0130 KEY 0124	Discussion
0112	Seong-Ho Lee MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 SKN 1112	Discussion
0113	Seong-Ho Lee MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0114	Seong-Ho Lee MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion

0116	Seong-Ho Lee MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
FC01	Seong-Ho Lee, Nadine Sahyoun, Thomas Castonguay, David Lei MW 4:30pm - 5:20pm F 11:30am - 12:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 0104 TYD 2108	Discussion
FC02	Thomas Castonguay, Nadine Sahyoun, David Lei, Seong-Ho Lee MW 4:30pm - 5:20pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 0104 SQH 2117	Discussion

NFSC100H **Elements of Nutrition**

NFSC100H Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs. For general honors students only.

0101	Seong-Ho Lee MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 12) TYD 0130 LEF 1222	Discussion

NFSC112 **Food: Science and Technology**

NFSC112 Food: Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Qin Wang, Abani Pradhan MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) SHM 2102 SQH 2120	Discussion

0102	Abani Pradhan, Qin Wang MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 30) SHM 2102 ASY 3215	Discussion
0103	Qin Wang, Abani Pradhan MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) SHM 2102 TLF 1103	Discussion
0104	Qin Wang, Abani Pradhan MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 30) SHM 2102 HBK 0108	Discussion
0105	Abani Pradhan, Qin Wang MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) SHM 2102 CSS 2416	Discussion
0106	Qin Wang, Abani Pradhan MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 30) SHM 2102 BPS 1236	Discussion
FC01	Qin Wang, Abani Pradhan MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) WDS 0104	

NFSC350 **Foodservice Operations**

NFSC350 *(PermReq)* **Foodservice Operations; (5 credits)** Grade Method: REG. *Prerequisite: BSCI223 and BMGT364; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Dietetics program.* Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Lismarie Hernandez, Margaret Udahogora TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3108	Lab
0102	Lismarie Hernandez, Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3108	Lab

0103	Margaret Udahogora, Lismarie Hernandez TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3401	 Lab
0104	Lismarie Hernandez, Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3401	 Lab

NFSC380 **Methods of Nutritional Assessment**

NFSC380 *(PermReq)* **Methods of Nutritional Assessment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315 and BCHM461; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Food Science program. Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Margaret Udahogora MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) SKN 0104 SKN 0101	 Lab
0102	Margaret Udahogora MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 15) SKN 0104 SKN 0101	 Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

NFSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

1301	Qin Wang	Seats (Total: 10)
	Contact instructor or department for details.	

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC421 **Food Chemistry**

NFSC421 *(PermReq)* **Food Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461.* Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 60)
	MW 12:30pm - 1:45pm	LEF 2166

NFSC422 **Food Product Research and Development**

NFSC422 Food Product Research and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Scholarship in Practice.
Restriction: Senior standing; and must be in a major within AGNR-Nutrition and Food Science department; and permission of AGNR-Nutrition and Food Science department. Formerly: FDSC422. A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Instructor: TBA	Seats (Total: 15)	
	W 2:00pm - 2:50pm	PLS 1162	
	F 1:00pm - 5:00pm	MMH 3401	Lab

NFSC423 **Food Chemistry Laboratory**

NFSC423 Food Chemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed or be concurrently enrolled in NFSC421. Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Liangli Yu	Seats (Total: 15)	
	W 8:30am - 9:20am	MMH 3419	
	W 9:30am - 12:20pm	MMH 3419	Lab

NFSC425 **International Nutrition**

NFSC425 International Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed one course in basic nutrition. Nutritional status of world population; consequences of malnutrition on health and mental development; and local, national, and international programs for nutritional improvement.

0101	Robert Jackson, Saira Khan	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1115

NFSC440 **Advanced Human Nutrition**

NFSC440 *(PermReq)* **Advanced Human Nutrition; (4 credits)** Grade Method: REG.
Prerequisite: BCHM462, BSCI440, and NFSC100; and permission of AGNR-Nutrition and Food Science department. A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro-minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health. Also offered as NFSC678R.

0101	David Lei	Seats (Total: 75)
	TuTh 2:00pm - 3:40pm	PLS 1140

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.* Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC620 **Diet and Cancer Prevention**

NFSC620 Diet and Cancer Prevention; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440; or permission of instructor. Credit only granted for: NFSC620 or NFSC679D. Formerly: NFSC678D.* 1. The nature of cancer and the relationship between dietary/nutritional factors and incidence of cancer 2. Basic concepts of general cancer biology with focus on effects of dietary components on genes and their encoded proteins, epigenetic changes and cell signaling 3. Effect of dietary factors in various types of cancer with respect to the benefit of intervention strategies for chemoprevention 4. Scientific knowledge, critical thinking, and the practical application of diet in cancer prevention.

0101	Seong-Ho Lee	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	MMH 3112

NFSC630 **Nutritional Aspects of Energy Balance**

NFSC630 Nutritional Aspects of Energy Balance; (3 credits) Grade Method: REG/AUD.
Formerly: NUTR630. The prevalence and basic causes of caloric imbalance, along with a wide variety of approaches to weight control.

0101	Thomas Castonguay W 4:00pm - 6:45pm	Seats (Total: 20) MMH 3112

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

NFSC678R *(PermReq)* **Selected Topics in Nutrition: Advanced Human Nutrition; (4 credits)** Grade Method: REG/AUD.
Also offered as NFSC440. Prerequisites: NFSC100, BCHM462, BSCI440, and permission of department.

0101	David Lei TuTh 2:00pm - 3:40pm	Seats (Total: 75) PLS 1140

NFSC678V **Selected Topics in Nutrition; Research Design and Methods in Health Promotion and Nutritional Education**

NFSC678V Selected Topics in Nutrition: Research Design and Methods in Health Promotion and Nutritional Education; (3 credits) Grade Method: REG/AUD.
The major goals are to help students understand fundamental behavioral, social models and theories used in the field of nutrition, and to address methodological issues in developing, implementing, and evaluating intervention programs, particularly in the context of nutrition education and behavior. The class topics include types of social and behavioral theories and models applied in the field of nutrition education and public health, conceptual framework building, methodological basics (conceptualizing and operationalizing measurements), reliability and validity of scales, psychometric analysis including factor analysis, and issues in evaluating intervention programs.

0101	Hee-Jung Song Tu 1:00pm - 3:45pm	Seats (Total: 10) SKN 0101

NFSC688 **Seminar in Nutrition and Food Science**

NFSC688 Seminar in Nutrition and Food Science; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Jackson W 12:00pm - 12:50pm	Seats (Total: 25) SKN 0101

NFSC690 **Nutrition and Aging**

NFSC690 Nutrition and Aging; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440 or BSCI440; or students who have taken courses with comparable content may contact the department.* Explore the nutrition needs of older adults and examine the potential impact of the physiological, social and psychological changes that occur with aging on the needs.

0101	Nadine Sahyoun F 10:00am - 12:45pm	Seats (Total: 15) SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC735 **Food Toxicology**

NFSC735 Food Toxicology; (3 credits) Grade Method: REG/AUD. *Recommended: Undergraduate human physiology and/or biochemistry course. Restriction: Permission of AGNR-Nutrition and Food Science department.* From farm to fork - this course will discuss major sources and consequences of toxic contaminants and additives in our food. Exposure scenarios will include: naturally occurring toxins (e.g. seafood toxins, phytotoxins, phycotoxins, mycotoxins); contaminants introduced during food production (eg pesticides, antibiotics), contaminants introduced during food preparation (e.g. food additives, bacterial toxins), thermally generated toxins, and storage container toxins (e.g. bisphenol); finally food adulteration toxins will be discussed (e.g. lead, melamine). Also offered as MIEH735. Credit will be granted for MIEH735 or NFSC735.

0101	Paul Turner, Robert Buchanan	Seats (Total: 10)
	W 1:00pm - 4:00pm	LEF 1221

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Fall 2014

PERS101 **Elementary Persian I**

PERS101 Elementary Persian I; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.* Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills.

0101	Payman Vafaee MTuWF 10:00am - 10:50am	Seats (Total: 15) SQH 2120
0201	Payman Vafaee MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 15) SQH 1123 SQH 1123

PERS201 **Intermediate Persian I**

PERS201 Intermediate Persian I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PERS102; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 15) SQH 2119

PERS211 **Intermediate Conversation**

PERS211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS102; or students who have taken courses with comparable content may contact the department. Recommended: Concurrent enrollment in PERS201.* Development of aural and oral skills in Persian. Various genres and registers of speech. Special focus on contemporary daily life, with use of up-to-date media sources.

0101	Susan Moinfar MWF 11:00am - 11:50am	Seats (Total: 15) SQH 2114

PERS251 **Modern Iran**

PERS251 Modern Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

0101	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 30) JMZ 0103

PERS283 **Iranian Cinema**

PERS283 Iranian Cinema; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Introduction to Iranian cinema, society, and culture. Taught in English.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) JMZ 3120

PERS301 **Advanced Persian I**

PERS301 Advanced Persian I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS202; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be native/fluent speaker of Persian.* Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Ali Abasi MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 3203

PERS311 **Persian Media**

PERS311 Persian Media; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS301; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Examines issues, values, institutions of the contemporary Persian and Persianete world, primarily through analysis and discussion of current events as reported in the written and audiovisual press. Focus will be on increasing content knowledge as well as linguistic competency in Persian. Taught in Persian.

0101	Nahal Akbari-Saneh MWF 11:00am - 11:50am	Seats (Total: 15) SQH 2119

PERS398F **Special Topics in Persian Studies; Readings in Iranian Art and Culture**

PERS398F *(PermReq)* **Special Topics in Persian Studies: Readings in Iranian Art and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Permission required.

0101	Instructor: TBA M 9:00am - 11:45am Tu 9:00am - 11:45am	Seats (Total: 5) SQH 2115 SQH 2114

PERS398M **Special Topics in Persian Studies; Lyrics of Mystical Love: East and West**

PERS398M Special Topics in Persian Studies: Lyrics of Mystical Love: East and West; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Taught in English.

0101	Matthew Miller TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMZ 3205

PERS398Q **Special Topics in Persian Studies; Social Issues in Contemporary Iran**

PERS398Q *(PermReq)* **Special Topics in Persian Studies: Social Issues in Contemporary Iran; (3 credits)** Grade Method: REG/P-F/AUD.
Permission required. Taught in Persian.

0101	Ali Abasi W 9:00am - 11:45am	Seats (Total: 5) SQH 2115

PERS398R **Special Topics in Persian Studies; Persian for Professional Purposes**

PERS398R *(PermReq)* **Special Topics in Persian Studies: Persian for Professional Purposes; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Persian.

0101	Instructor: TBA Th 9:00am - 11:45am	Seats (Total: 5) SQH 2114

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS399B **Directed Study in Persian; Directed Study**

PERS399B Directed Study in Persian: Directed Study; (1 credit) Grade Method: REG/P-F/AUD.
Taught in Persian.

0101	Nahal Akbari-Saneh Contact instructor or department for details.	Seats (Total: 10)

PERS399D **Directed Study in Persian; Capstone Research Project**

PERS399D *(PermReq)* **Directed Study in Persian: Capstone Research Project; (3 credits)** Grade Method: REG/P-F/AUD.
Permission required. Taught in Persian.

0101	Nahal Akbari-Saneh F 9:00am - 11:45am	Seats (Total: 5) SQH 2115

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS601 **Modern Persian Literature**
Contact department for information to register for this course.

PERS611 **Practicum in Translation and Interpreting**

Contact department for information to register for this course.

PERS641 **Iranian Media and International Relations**
Contact department for information to register for this course.

PERS689 **Special Topics in Persian Studies**

PERS689 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact department for permission to register.

Contact department for information to register for this course.

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PHIL Philosophy Fall 2014

PHIL100 **Introduction to Philosophy**

Click here for fuller PHIL course descriptions.
PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Dan Moller TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 SKN 1115	Discussion
0102	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 PLS 1115	Discussion
0103	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 PLS 1113	Discussion

0104	Dan Moller TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
0105	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 HBK 0103	Discussion
0106	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 HBK 0103	Discussion
0201	Michael Zenz MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 26) BPS 1250 SYM 0209	Discussion
0202	Michael Zenz MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 26) BPS 1250 HBK 0105	Discussion
0203	Michael Zenz MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 ARM 0103	Discussion
0204	Michael Zenz MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 26) BPS 1250 WDS 1130	Discussion
0205	Michael Zenz MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 26) BPS 1250 BPS 1234	Discussion
0206	Michael Zenz MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 SKN 1115	Discussion

PHIL140 Contemporary Moral Issues

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Instructor: TBA TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 27) SKN 0200 ARM 0120	Discussion
0102	Instructor: TBA TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 27) SKN 0200 TYD 2102	Discussion
0103	Instructor: TBA TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 SKN 1112	Discussion
0104	Instructor: TBA TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 27) SKN 0200 MTH 0103	Discussion
0105	Instructor: TBA TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 27) SKN 0200 LEF 1201	Discussion
0106	Instructor: TBA TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 LEF 1220	Discussion
0201	Andrew Knoll MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 27) TYD 0130 KEY 1117	Discussion
0202	Andrew Knoll MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 27) TYD 0130 MMH 1304	Discussion
0203	Andrew Knoll MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 SKN 0104	Discussion

0204	Andrew Knoll MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 27) TYD 0130 LEF 1220	Discussion
0205	Andrew Knoll MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 27) TYD 0130 TYD 0102	Discussion
0206	Andrew Knoll MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2110	Discussion
FC01	Mary Wood MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) PLS 1113	
FC02	Dimiter Kirilov TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) MMH 0108	
FC03	Dimiter Kirilov TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) MMH 0108	
FC04	Mary Wood MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ARM 0119	
FC05	Micah Tillman TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PLS 1113	

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Allen Stairs MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 BPS 1228	Discussion
0102	Allen Stairs MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PLS 1119	Discussion
0103	Allen Stairs MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 JMZ 0125	Discussion
0104	Allen Stairs MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 SKN 0104	Discussion
0105	Allen Stairs MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0106	Allen Stairs MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 2109	Discussion
0107	Allen Stairs MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 MTH 0302	Discussion
0108	Allen Stairs MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 2166	Discussion
0109	Allen Stairs MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 SQH 1101	Discussion

PHIL209B **Investigating Darwin's Dangerous Idea**

PHIL209B Investigating Darwin's Dangerous Idea; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Darwin's revolutionary theory of evolution through natural selection was a scientific and cultural bombshell. This course explores the scientific and philosophical implications of Darwin's theory.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 26) SQH 1120 CHM 0119	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 MTH B0429	Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 WDS 1114	Discussion

PHIL209C **Philosophical Issues: Heated Debates: Philosophy and Climate Change**

PHIL209C Philosophical Issues: Heated Debates: Philosophy and Climate Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Mathias Frisch TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 26) KEY 0102 SKN 1112	Discussion
0102	Mathias Frisch TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0102 TLF 1101	Discussion
0103	Mathias Frisch TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0102 KEY 0121	Discussion

PHIL209I **Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics**

PHIL209I Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series. Einstein believed physics should represent a "reality in space and time,free from spooky action at a distance" and worried that quantum theory failed that test. This course will investigate whether Einstein was right.

FCH1	Allen Stairs M 3:00pm - 4:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 30) PLS 1119 ONLINE	

PHIL209N **Know Thyself: Wisdom Through Cognitive Science**

PHIL209N Know Thyself: Wisdom Through Cognitive Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.
How do we improve our decision making? Reflection on the practical implications of some recent findings in cognitive science.

0101	Peter Carruthers TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 26) TYD 2106 KEY 0102	Discussion
0102	Peter Carruthers TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 KEY 0126	Discussion
0103	Peter Carruthers TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 LEF 2166	Discussion

PHIL209T **It's About Time**

PHIL209T It's About Time; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
St. Augustine remarked that when no one asks him what time is, he knows; when someone asks him to explain, he doesn't. Students will explore our understanding of time using sources from science, philosophy and the arts.

0101	Instructor: TBA TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 23) KEY 0102 TLF 1101	Discussion
0102	Instructor: TBA TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 23) KEY 0102 LEF 1201	Discussion
0103	Instructor: TBA TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 23) KEY 0102 HBK 1108	Discussion

PHIL230 **Philosophy of the Arts**

PHIL230 Philosophy of the Arts; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

0101	Jerrold Levinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) ASY 2309 PLS 1162	Discussion
0102	Jerrold Levinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) ASY 2309 SKN 1112	Discussion
0103	Jerrold Levinson MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) ASY 2309 TYD 1114	Discussion

PHIL234 **Fundamental Concepts of Judaism**

PHIL234 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Also offered as: JWST250, RELS250. Credit only granted for: JWST250, PHIL234, or RELS250. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1119	

PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS236. Credit only granted for: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Xuan Wang MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0117 EDU 2101	 Discussion
0102	Xuan Wang MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 ASY 3211	 Discussion
0103	Xuan Wang MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0117 ASY 2309	 Discussion

PHIL256 **Philosophy of Biology I**

PHIL256 Philosophy of Biology I; (3 credits) Grade Method: REG/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Issues in the discovery and justification of biological theories and models. Focus on cases from twentieth century biology, such as the genetic revolution or evolutionary theory.

0101	Lindley Darden TuTh 12:30pm - 1:45pm	Seats (Total: 30) SKN 1115

PHIL308D **Studies in Contemporary Philosophy; Philosophy and Feminism**

PHIL308D Studies in Contemporary Philosophy: Philosophy and Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in Philosophy.

0101	Susan Dwyer MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 0111

PHIL308W **Studies in Contemporary Philosophy; World Philosophy**

PHIL308W Studies in Contemporary Philosophy: World Philosophy; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Maffie TuTh 3:00pm - 4:15pm	Seats (Total: 30) TYD 1102

PHIL308X **Studies in Contemporary Philosophy; Philosophy and Time Travel**

PHIL308X Studies in Contemporary Philosophy: Philosophy and Time Travel; (3 credits) Grade Method: REG/P-F/AUD.
Explores philosophy and science fiction to examine the paradoxes and puzzles of time travel, and try to answer the question of how time travel could be physically or metaphysically possible.

0101	Lucas Dunlap Class time/details on ELMs	Seats (Total: 33) ONLINE
0102	Lucas Dunlap Class time/details on ELMs	Seats (Total: 33) ONLINE

PHIL310 **Ancient Philosophy**

PHIL310 Ancient Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed 6 credits in philosophy or classics. A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.

0101	Rachel Singpurwalla TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 23) TYD 1102 LEF 1220	 Discussion
0102	Rachel Singpurwalla TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 23) TYD 1102 TYD 2108	 Discussion
0103	Rachel Singpurwalla TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 23) TYD 1102 LEF 1201	 Discussion

PHIL332 **Philosophy of Beauty**

PHIL332 Philosophy of Beauty; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 courses in PHIL; or permission of ARHU-Philosophy department. Philosophical theories, historical and contemporary, of beauty, sublimity, and other aesthetic qualities, of aesthetic experience, and of aesthetic judgment.

0101	John Brown TuTh 9:30am - 10:45am	Seats (Total: 31) SQH 1107	

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG.
Prerequisite: 6 credits in PHIL courses. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls. Prerequisite: 6 credit hours in pholosophy.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0117 MTH 0105	 Discussion

0102	Patricia Greenspan TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 JMZ 0208	 Discussion
0103	Patricia Greenspan TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0117 ARM 0101	 Discussion

PHIL347 **Philosophy of Law**

PHIL347 Philosophy of Law; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: PHIL347 or PHIL447. Formerly: PHIL447.* Examination of fundamental concepts related to law, e.g. legal systems, law and morality, justice, legal reasoning, responsibility.

0101	Cindy Phillips TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 2120

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 2 courses in PHIL; and (PHIL170 or PHIL370). Or permission of ARHU-Philosophy department. Also offered as: LING350. Credit only granted for: LING350 or PHIL360.* An inquiry into the nature and function of language and other forms of symbolism.

0101	Alexander Williams TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1115

PHIL362 **Theory of Knowledge**

PHIL362 Theory of Knowledge; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses; and PHIL170. Formerly: PHIL462.* Some central topics in the theory of knowledge, such as perception, memory, knowledge, and belief, skepticism, other minds, truth, and the problems of induction.

0101	Paul Pietroski MW 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115

PHIL370 **Symbolic Logic**

PHIL370 Symbolic Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or CMSC250; or permission of ARHU-Philosophy department. Credit only granted for: PHIL271, PHIL370, or PHIL371. A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.

0101	Max Bialek	Seats (Total: 30)	
	MW 11:00am - 11:50am	KEY 1117	
	Class time/details on ELMs	ONLINE	Discussion

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-Philosophy department; and junior standing or higher. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408D **Topics in Contemporary Philosophy; Capitalism and Justice**

PHIL408D Topics in Contemporary Philosophy: Capitalism and Justice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in Philosophy. A study of social and economic justice, including such topics as socialism, libertarianism, and whether global capitalism exploits the poor.

0101	Dan Moller	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	KEY 0123

PHIL408I **Topics in Contemporary Philosophy; Human Nature**

PHIL408I Topics in Contemporary Philosophy: Human Nature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in Philosophy. Investigates the philosophical and empirical foundations of the concept of human nature. Topics will include biological essentialism, evolutionary psychology, social construction, innateness, gender, race, language, and morality. Students who have taken PHIL308Z may not take this course for credit.

0101	Evan Westra	Seats (Total: 25)	
	MW 1:00pm - 1:50pm Class time/details on ELMs	ASY 3219 ONLINE	Discussion

PHIL408M **Topics in Contemporary Philosophy; Philosophy of Music**

PHIL408M Topics in Contemporary Philosophy: Philosophy of Music; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in Philosophy.

0101	Jerrold Levinson	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TYD 2106

PHIL408P **Topics in Contemporary Philosophy; Moral Psychology**

PHIL408P Topics in Contemporary Philosophy: Moral Psychology; (3 credits) Grade Method: REG.
Prerequisite: Two courses in Philosophy. The focus is on work by philosophers and psychologists concerning the role played in moral judgment and motivation by intuition, emotion, reason, character, and circumstances.

0101	Patricia Greenspan	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	KEY 0103

PHIL408Q **Topics in Contemporary Philosophy; Virtue**

PHIL408Q Topics in Contemporary Philosophy: Virtue; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kelsey Gipe	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	WDS 0104

PHIL408R **Topics in Contemporary Philosophy; The Craft of the Philosophy Paper**

PHIL408R Topics in Contemporary Philosophy: The Craft of the Philosophy Paper; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 9 hours of philosophy, including at least one course in value theory and one in metaphysics, epistemology or mind, OR permission of instructor. Extended practice in writing a philosophy paper, preparing it for public presentation, addressing criticisms, and responding constructively to others' work. Intended for students with background and initiative in philosophy. Students will select their own topics with the instructor.

0101	Mathias Frisch	Seats (Total: 20)
	W 1:00pm - 3:30pm	SKN 1116

PHIL412 **The Philosophy of Plato**

PHIL412 The Philosophy of Plato; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 9 credits in PHIL courses. A critical study of selected dialogues.

0101	Rachel Singpurwalla	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SKN 1112

PHIL428K **Topics in the History of Philosophy; Kantian Ethics**

PHIL428K Topics in the History of Philosophy: Kantian Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Five course in philosophy; at least two of the five at the 300-level or above. Explores Immanuel Kant's ethics through a careful reading of the "Groundwork of the Metaphysics of Morals". Questions to be raised include: Does Kant have a plausible view of moral worth? Is the theory of agency on which he builds his ethics acceptable? Are any versions of the categorical imperitive plausible candidates for the supreme principle of morality?

0101	Samuel Kerstein	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SKN 1112

PHIL458B **Topics in the Philosophy of Science; History and Philosophy of Modern Biology**

PHIL458B Topics in the Philosophy of Science: History and Philosophy of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD.
A combined history and philosophy of modern biology course with cases from nineteenth and twentieth century evolutionary biology and genetics.

0101	Lindley Darden	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	SKN 1115
	Credit will be granted for only one of the following: HIST404 or PHIL458B.	

PHIL498C **Topical Investigations; The Philosophy of China and Japan**
Contact department for information to register for this course.

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498K **Topical Investigations; Knowledge, Will and Power**
Contact department for information to register for this course.

PHIL498P **Topical Investigations; The Philosophy of Philosophy**
Contact department for information to register for this course.

PHIL660 **Metaphysics, Mind, and Language**

PHIL660 Metaphysics, Mind, and Language; (3 credits) Grade Method: REG/AUD. A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area. Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	Erin Eaker	Seats (Total: 15)
	M 3:30pm - 6:00pm	SKN 1116

PHIL688A **Selected Problems in Philosophy; The Philosophy of Plato**

PHIL688A Selected Problems in Philosophy: The Philosophy of Plato; (3 credits) Grade Method: REG/AUD.

0101	Rachel Singpurwalla	Seats (Total: 3)
	TuTh 2:00pm - 3:15pm	SKN 1112

PHIL688B **Selected Problems in Philosophy; History and Philosophy of Modern Biology**

PHIL688B Selected Problems in Philosophy: History and Philosophy of Modern Biology; (3 credits) Grade Method: REG/AUD.

0101	Lindley Darden	Seats (Total: 7)
	TuTh 3:30pm - 4:45pm	SKN 1115

PHIL688D **Selected Problems in Philosophy; Capitalism and Justice**

PHIL688D Selected Problems in Philosophy: Capitalism and Justice; (3 credits) Grade Method: REG/AUD.

0101	Dan Moller	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	KEY 0123

PHIL688K **Selected Problems in Philosophy; Kantian Ethics**

PHIL688K Selected Problems in Philosophy: Kantian Ethics; (3 credits) Grade Method: REG/AUD.

0101	Samuel Kerstein TuTh 12:30pm - 1:45pm	Seats (Total: 3) SKN 1112

PHIL688M **Selected Problems in Philosophy; Philosophy of Music**

PHIL688M Selected Problems in Philosophy: Philosophy of Music; (3 credits)
Grade Method: REG/AUD.

0101	Jerrold Levinson MW 2:00pm - 3:15pm	Seats (Total: 5) TYD 2106

PHIL688P **Selected Problems in Philosophy; Moral Psychology**

PHIL688P Selected Problems in Philosophy: Moral Psychology; (3 credits)
Grade Method: REG/AUD.
Also offered as PUAF698E.

0101	Patricia Greenspan TuTh 3:30pm - 4:45pm	Seats (Total: 5) KEY 0103

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits)
Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL848N **Seminar in Ethics; Moral and Political Philosophy**

PHIL848N Seminar in Ethics: Moral and Political Philosophy; (3 credits) Grade Method: REG/AUD.

0101	Christopher Morris	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	SKN 1116

PHIL858O **Seminar in Logic and Philosophy of Sciences; Legal Reasoning**

PHIL858O Seminar in Logic and Philosophy of Sciences: Legal Reasoning; (3 credits) Grade Method: REG/AUD.

0101	John Horty	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	JMZ 1120

PHIL878J **Seminar in Cognitive Studies; Social Cognition**

PHIL878J Seminar in Cognitive Studies: Social Cognition; (3-9 credits) Grade Method: REG/AUD.

0101	Peter Carruthers	Seats (Total: 15)
	Tu 4:30pm - 7:00pm	SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Fall 2014

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS103).
Prerequisite: Must have math eligibility of MATH110 or higher. Credit only granted for: PHYS102 and PHYS499C. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS103. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Alan Peel	Seats (Total: 150)	
	TuTh 9:30am - 10:45am	PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Andris Skuja	Seats (Total: 18)	
	Th 11:00am - 12:50pm	PHY 3220	Lab

0201	Andris Skuja Th 1:00pm - 2:50pm	Seats (Total: 18) PHY 3220	Lab
0301	Andris Skuja Th 3:30pm - 5:20pm	Seats (Total: 18) PHY 3220	Lab
0401	Instructor: TBA F 10:00am - 11:50am *Recommended for First-Year students.*	Seats (Total: 18) PHY 3220	Lab
0501	Andris Skuja F 12:00pm - 1:50pm	Seats (Total: 18) PHY 3220	Lab
0601	Andris Skuja F 2:00pm - 3:50pm	Seats (Total: 18) PHY 3220	Lab
0701	Instructor: TBA W 3:00pm - 5:00pm	Seats (Total: 18) PHY 3220	Lab
0801	Andris Skuja W 1:00pm - 2:50pm	Seats (Total: 18) PHY 3220	Lab

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Sarah Eno TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 24) PHY 1410 PHY 0405	Discussion

0102	Sarah Eno TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 24) PHY 1410 PHY 0405	 Discussion
0104	Sarah Eno TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 24) PHY 1410 PHY 1219	 Discussion
0105	Sarah Eno TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 24) PHY 1410 PHY 1219	 Discussion

PHYS111 **Physics in the Modern World**
Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education). Credit only granted for: PHYS115 or PHYS117.* Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Prabal Adhikari MWF 1:00pm - 2:50pm	Seats (Total: 20) PHY 3316	 Lab
0201	David Buehrle MWF 9:00am - 10:50am	Seats (Total: 20) PHY 3316	 Lab

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131.
The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0201	Sergio Picozzi	Seats (Total: 26)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 10:00am - 11:50am	PHY 3306	Lab
	M 9:00am - 9:50am	PHY 0405	Discussion
0202	Instructor: TBA	Seats (Total: 26)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 2:00pm - 3:50pm	PHY 3306	Lab
	M 1:00pm - 1:50pm	MTH 0201	Discussion
0203	Sergio Picozzi	Seats (Total: 26)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 9:00am - 10:50am	PHY 3306	Lab
	Tu 8:00am - 8:50am	PHY 1402	Discussion
0204	Sergio Picozzi	Seats (Total: 26)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	MTH 0102	Discussion
0206	Instructor: TBA	Seats (Total: 26)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 2:00pm - 2:50pm	MTH 0302	Discussion
0401	Instructor: TBA	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	M 8:00pm - 9:50pm	PHY 3306	Lab
	W 6:30pm - 7:20pm	PHY 1402	Discussion

0402	Instructor: TBA	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	W 7:30pm - 9:20pm	PHY 3306	Lab
	M 6:30pm - 7:20pm	PHY 1402	Discussion
0403	Sergio Picozzi	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 7:30pm - 8:20pm	PHY 1219	Discussion
0404	Instructor: TBA	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	M 6:00pm - 7:50pm	PHY 3306	Lab
	M 5:00pm - 5:50pm	PHY 0405	Discussion
0405	Instructor: TBA	Seats (Total: 8)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	MTH 0201	Discussion
SEF1	Instructor: TBA	Seats (Total: 18)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 6:30pm - 7:20pm	PHY 1410	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	MTH 0201	Discussion
	Restricted to students in the SIE Program. Click here for more information.		

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0101	Ki-Yong Kim	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3314	Lab
	M 3:00pm - 3:50pm	MTH 0405	Discussion
0102	Ki-Yong Kim	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 10:00am - 11:50am	PHY 3314	Lab
	Tu 9:00am - 9:50am	MTH 0405	Discussion
0105	Ki-Yong Kim	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 4:00pm - 5:50pm	PHY 3314	Lab
	Th 4:00pm - 4:50pm	PHY 1204	Discussion
0401	Sergio Picozzi	Seats (Total: 18)	
	MW 6:00pm - 7:15pm	PHY 1204	
	M 7:30pm - 9:20pm	PHY 3314	Lab
	W 7:30pm - 8:20pm	PHY 1204	Discussion
0402	Sergio Picozzi	Seats (Total: 27)	
	MW 6:00pm - 7:15pm	PHY 1204	
	W 7:30pm - 9:20pm	PHY 3314	Lab
	M 7:30pm - 8:20pm	PHY 1204	Discussion
SEF1	Sergio Picozzi	Seats (Total: 9)	
	MW 6:00pm - 7:15pm	PHY 1204	
	M 7:30pm - 9:20pm	PHY 3314	Lab
	W 7:30pm - 8:20pm	PHY 1204	Discussion
	Restricted to students in the SIE Program. Click here for more information.		

PHYS131 Fundamentals of Physics for Life Sciences I

PHYS131 Fundamentals of Physics for Life Sciences I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130, MATH131, BSCI105, BSCI106, and CHEM131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121 or PHYS131. The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts. Students must pay a $50.00 laboratory materials fee.

0101	Benjamin Dreyfus	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 5:00pm - 6:50pm	PHY 3310	Lab
	W 4:00pm - 4:50pm	PHY 3310	Discussion
0102	Benjamin Dreyfus	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 4:00pm - 5:50pm	PHY 3310	Lab
	M 3:00pm - 3:50pm	PHY 3310	Discussion
0103	Benjamin Dreyfus	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 11:00am - 12:50pm	PHY 3310	Lab
	Tu 10:00am - 10:50am	PHY 3310	Discussion
0104	Benjamin Dreyfus	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 1:00pm - 2:50pm	PHY 3310	Lab
	W 12:00pm - 12:50pm	PHY 3310	Discussion
0105	Instructor: TBA	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 2:00pm - 3:50pm	PHY 3310	Lab
	Tu 1:00pm - 1:50pm	PHY 3310	Discussion
0106	Instructor: TBA	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 2:00pm - 3:50pm	PHY 3310	Lab
	Th 1:00pm - 1:50pm	PHY 3310	Discussion

0107	Benjamin Dreyfus	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 7:00pm - 8:50pm	PHY 3310	Lab
	M 6:00pm - 6:50pm	PHY 3310	Discussion
0201	Alan Peel	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PHY 1410	
	M 12:00pm - 1:50pm	PHY 3310	Lab
	M 11:00am - 11:50am	PHY 3310	Discussion
0202	Instructor: TBA	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3310	Lab
	Tu 4:00pm - 4:50pm	PHY 3310	Discussion
0203	Alan Peel	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PHY 1410	
	Th 11:00am - 12:50pm	PHY 3310	Lab
	Th 10:00am - 10:50am	PHY 3310	Discussion
0204	Instructor: TBA	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PHY 1410	
	Th 5:00pm - 6:50pm	PHY 3310	Lab
	Th 4:00pm - 4:50pm	PHY 3310	Discussion
0205	Alan Peel	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PHY 1410	
	W 10:00am - 11:50am	PHY 3310	Lab
	W 9:00am - 9:50am	PHY 3310	Discussion
SG91	Matthew Harrington	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BLD2 1012	
	F 2:00pm - 4:50pm	BLD2 4012	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

PHYS132 Fundamentals of Physics for Life Sciences II

PHYS132 Fundamentals of Physics for Life Sciences II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132. The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts. Students must pay a $50.00 laboratory materials fee.

0101	Instructor: TBA	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 1:00pm - 2:50pm	PHY 3312	Lab
	Tu 12:00pm - 12:50pm	PHY 3312	Discussion
0103	Instructor: TBA	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 3312	Discussion
0104	David Buehrle	Seats (Total: 18)	
	MWF 11:00am - 11:50am	PHY 1410	
	W 4:00pm - 5:50pm	PHY 3312	Lab
	W 3:00pm - 3:50pm	PHY 3312	Discussion
0105	Instructor: TBA	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 4:00pm - 5:50pm	PHY 3312	Lab
	Tu 3:00pm - 3:50pm	PHY 3312	Discussion
0201	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	M 10:00am - 11:50am	PHY 3312	Lab
	M 9:00am - 9:50am	PHY 3312	Discussion
0203	Instructor: TBA	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	M 1:00pm - 2:50pm	PHY 3312	Lab
	M 12:00pm - 12:50pm	PHY 3312	Discussion

0204	David Buehrle TuTh 12:30pm - 1:45pm W 1:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 18) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required.

0101	David Buehrle MWF 3:00pm - 3:50pm Tu 3:00pm - 3:50pm	Seats (Total: 37) PHY 1410 PHY 1402	 Discussion
0103	David Buehrle MWF 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 37) PHY 1410 CHM 0128	 Discussion
0104	David Buehrle MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 37) PHY 1410 PHY 0405	 Discussion
0201	Theodore Kirkpatrick TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 37) PHY 1410 PHY 0405	 Discussion
0202	Theodore Kirkpatrick TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 37) PHY 1410 PHY 1204	 Discussion
0203	Instructor: TBA TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 37) PHY 1410 PHY 1204	 Discussion

0204	Instructor: TBA TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	Seats (Total: 35) PHY 1410 MTH 0106	Discussion
0301	Instructor: TBA MWF 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 37) PHY 1410 PHY 1204	Discussion
0302	Instructor: TBA MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 37) PHY 1410 PHY 1219	Discussion
0303	Suresh Tonwar MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 37) PHY 1410 PHY 0405	Discussion
0304	Suresh Tonwar MWF 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 MTH 0106	Discussion

PHYS165 **Introduction to Programming in the Physical Sciences**

PHYS165 Introduction to Programming in the Physical Sciences; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS171, PHYS141, or PHYS161; or must have scored 3 or higher on AP PHYS exam.* Introduction to programming using examples in the physical sciences. Provides instruction in the techniques of upper-level languages such as Fortran, C, and Pascal, as well as an introduction to the object oriented programming techniques used in Python, C++ and Java. Includes strong component of visualization and graphing.

0101	Ian Appelbaum TuTh 9:30am - 10:45am	Seats (Total: 30) PLS 1129

PHYS170 **Professional Physics Seminar**

PHYS170 Professional Physics Seminar; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: MATH140.* Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0101	Roald Sagdeev W 12:00pm - 12:50pm	Seats (Total: 13) PHY 1402	
0201	Roald Sagdeev M 12:00pm - 12:50pm	Seats (Total: 13) PHY 1402	

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS 171H.

0201	Christopher Lobb TuTh 9:30am - 10:45am M 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 55) PHY 1201 PHY 1201 PHY 1201	 Discussion Discussion

PHYS171H **Introductory Physics: Mechanics and Relativity**

PHYS171H *(PermReq)* **Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS171.

0201	Christopher Lobb TuTh 9:30am - 10:45am M 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 55) PHY 1201 PHY 1201 PHY 1201	 Discussion Discussion

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: High school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0102	Wendell Hill W 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	 Lab
0103	Wendell Hill Th 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	 Lab
0105	Richard Greene W 12:00pm - 1:50pm	Seats (Total: 14) PHY 3115	 Lab
0106	Wendell Hill Th 12:00pm - 1:50pm	Seats (Total: 26) PHY 3115	 Lab
0107	Richard Greene Tu 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	 Lab
0108	Richard Greene Tu 10:00am - 11:50am	Seats (Total: 26) PHY 3115	 Lab

PHYS199M **The Manhattan Project**

PHYS199M The Manhattan Project; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences; Signature Courses - I-Series. This course explores the development of the atomic bomb during the Manhattan project. Nuclear Physics is introduced in a historical context from the discovery of radioactivity in 1896 to the discovery of nuclear fission in Germany in 1938; this historical approach allows students to understand how scientific knowledge is built up over time.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Johnpierre Paglione MW 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 33) PHY 1410 PHY 1402	 Discussion
0103	Johnpierre Paglione MW 4:00pm - 5:15pm Tu 2:00pm - 2:50pm	Seats (Total: 33) PHY 1410 PHY 1402	 Discussion
0104	Johnpierre Paglione MW 4:00pm - 5:15pm W 1:00pm - 1:50pm	Seats (Total: 33) PHY 1410 PHY 1402	 Discussion

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required.

0101	Instructor: TBA MW 4:30pm - 5:45pm Tu 11:00am - 11:50am	Seats (Total: 33) PHY 1412 CHM 0122	Discussion
0102	Instructor: TBA MW 4:30pm - 5:45pm W 10:00am - 10:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0103	Instructor: TBA MW 4:30pm - 5:45pm W 8:00am - 8:50am	Seats (Total: 33) PHY 1412 PHY 1219	Discussion
0104	Daniel Lathrop MW 4:30pm - 5:45pm W 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0105	Daniel Lathrop MW 4:30pm - 5:45pm F 3:00pm - 3:50pm	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0106	Daniel Lathrop MW 4:30pm - 5:45pm M 3:00pm - 3:50pm	Seats (Total: 33) PHY 1412 MTH 0201	Discussion
0201	Sergio Picozzi MW 3:00pm - 4:15pm Tu 8:00am - 8:50am	Seats (Total: 35) PHY 1412 PHY 0405	Discussion
0202	Sergio Picozzi MW 3:00pm - 4:15pm Tu 9:00am - 9:50am	Seats (Total: 34) PHY 1412 HBK 0105	Discussion
0203	Sergio Picozzi MW 3:00pm - 4:15pm Tu 11:00am - 11:50am	Seats (Total: 35) PHY 1412 JMP 2202	Discussion
0204	Instructor: TBA MW 3:00pm - 4:15pm F 2:00pm - 2:50pm	Seats (Total: 34) PHY 1412 PHY 1402	Discussion

0205	Instructor: TBA MW 3:00pm - 4:15pm W 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 MTH 0305	Discussion
0206	Sergio Picozzi MW 3:00pm - 4:15pm M 4:30pm - 5:20pm	Seats (Total: 34) PHY 1412 PHY 1219	Discussion
0207	Sergio Picozzi MW 3:00pm - 4:15pm W 4:30pm - 5:20pm	Seats (Total: 34) PHY 1412 MTH 0101	Discussion
0301	Frederick Wellstood TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 PHY 1219	Discussion
0302	Instructor: TBA TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0303	Frederick Wellstood TuTh 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 HBK 0105	Discussion
0304	Instructor: TBA TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 PHY 1402	Discussion
0305	Instructor: TBA TuTh 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0306	Instructor: TBA TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0401	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	Discussion

0402	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion
0403	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion

PHYS260H **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260H General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required.

0301	Instructor: TBA TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 25) PHY 1412 HBK 0105	 Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. Students must pay a $50.00 laboratory materials fee.

0201	Sungwoo Hong M 8:00am - 10:20am	Seats (Total: 36) PHY 3219	 Lab

0202	Sungwoo Hong M 10:30am - 12:50pm	Seats (Total: 36) PHY 3219	Lab
0203	Sungwoo Hong M 1:00pm - 3:20pm	Seats (Total: 36) PHY 3219	Lab
0204	Sungwoo Hong M 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0205	Instructor: TBA M 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab
0206	Sungwoo Hong Tu 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab
0207	Sungwoo Hong Tu 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0208	Sungwoo Hong Tu 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0209	Sungwoo Hong Tu 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0210	Instructor: TBA Tu 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab
0211	Sungwoo Hong W 8:00am - 10:20am	Seats (Total: 36) PHY 3219	Lab
0212	Sungwoo Hong W 10:30am - 12:50pm	Seats (Total: 36) PHY 3219	Lab
0213	Instructor: TBA W 1:00pm - 3:20pm	Seats (Total: 36) PHY 3219	Lab
0214	Instructor: TBA W 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0215	Instructor: TBA W 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab

0216	Sungwoo Hong Th 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab
0217	Sungwoo Hong Th 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0218	Sungwoo Hong Th 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0219	Sungwoo Hong Th 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0220	Instructor: TBA Th 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Sungwoo Hong Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS271).
Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required.

0101	Instructor: TBA TuTh 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 35) PHY 1412 PHY 1204	 Discussion
0102	Sergio Picozzi TuTh 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 35) PHY 1412 PHY 1219	 Discussion
0103	Instructor: TBA TuTh 5:00pm - 6:15pm W 9:00am - 9:50am	Seats (Total: 35) PHY 1412 CHM 0128	 Discussion
0104	Instructor: TBA TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm	Seats (Total: 35) PHY 1412 PHY 0405	 Discussion
0301	Peter Shawhan MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion
0302	Peter Shawhan MWF 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 30) PHY 1410 MTH 0411	 Discussion
0303	Peter Shawhan MWF 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion

0304	Peter Shawhan MWF 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. Students must pay a $50.00 laboratory materials fee.

0102	Sungwoo Hong M 3:00pm - 5:50pm	Seats (Total: 30) PHY 3213	 Lab
0103	Sungwoo Hong M 6:00pm - 8:50pm	Seats (Total: 30) PHY 3213	 Lab
0104	Instructor: TBA W 4:00pm - 6:50pm	Seats (Total: 30) PHY 3213	 Lab
0105	Instructor: TBA Tu 10:00am - 12:50pm	Seats (Total: 30) PHY 3213	 Lab
0106	Sungwoo Hong Tu 1:00pm - 3:50pm	Seats (Total: 30) PHY 3213	 Lab
0107	Sungwoo Hong Tu 4:00pm - 6:50pm	Seats (Total: 30) PHY 3213	 Lab
0116	Sungwoo Hong W 1:00pm - 3:50pm	Seats (Total: 30) PHY 3213	 Lab
0117	Instructor: TBA Th 11:00am - 1:50pm	Seats (Total: 30) PHY 3213	 Lab
0118	Sungwoo Hong Th 2:00pm - 4:50pm	Seats (Total: 30) PHY 3213	 Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: PHYS261. Corequisite: PHYS270. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Sungwoo Hong	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275).
Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS 272H.

0101	Gregory Sullivan	Seats (Total: 68)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275). *Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. For general honors students only. Also offered as PHYS 272.

0101	Gregory Sullivan	Seats (Total: 68)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS 273H.

0101	Thomas Cohen	Seats (Total: 55)
	MTuWTh 9:00am - 9:50am	PHY 1204

PHYS273H **Introductory Physics: Waves**

PHYS273H Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. For general honors students only. Also offered as PHYS 273.

0101	Thomas Cohen	Seats (Total: 55)
	MTuWTh 9:00am - 9:50am	PHY 1204

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS161 or PHYS171; and PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.

0101	Instructor: TBA M 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab
0201	Instructor: TBA W 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab
0301	Instructor: TBA Tu 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab
0401	Arpita Upadhyaya Th 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS272 and PHYS275. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Instructor: TBA M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0201	Instructor: TBA Tu 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Alberto Belloni F 12:00pm - 3:50pm	Seats (Total: 12) PHY 3120	Lab

0401	Instructor: TBA	Seats (Total: 12)	
	W 2:00pm - 5:50pm	PHY 3120	Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and PHYS273. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Rabindra Mohapatra	Seats (Total: 55)	
	TuTh 11:00am - 12:15pm	PHY 1204	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS276 and PHYS273. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics. Besides lab hours scheduled below, additional required lab time will be arranged.

0101	Carter Hall	Seats (Total: 10)	
	M 2:00pm - 2:50pm	PHY 1410	
	M 3:00pm - 5:50pm	PHY 3203	Lab

0102	Andris Skuja, Carter Hall M 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 10) PHY 1410 PHY 3203	 Lab
0103	Andris Skuja, Carter Hall M 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 10) PHY 1410 PHY 3203	 Lab
0104	Instructor: TBA M 2:00pm - 2:50pm Th 3:00pm - 5:50pm	Seats (Total: 10) PHY 1410 PHY 3203	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399C **Special Problems in Physics; Physics STEM Seminar**

PHYS399C *(PermReq)* **Special Problems in Physics: Physics STEM Seminar; (1-3 credits)** Grade Method: REG.

0101	Thomas Gleason, Donna Hammer, Timothy Uher **Meets October 5, 2014 - December 14, 2014** W 12:00pm - 12:50pm *Course meets in PHY1120.*	Seats (Total: 15) PHY 1120

PHYS399L **Special Problems in Physics; Quantitative Biology and Biophysics II**

PHYS399L *(PermReq)* **Special Problems in Physics: Quantitative Biology and Biophysics II; (3 credits)** Grade Method: REG.

0101	Wolfgang Losert Contact instructor or department for details.	Seats (Total: 20)

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS273. Corequisite: PHYS374 and MATH240. Formerly: PHYS421.* Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Steven Rolston MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 68) PHY 1201 PHY 1201

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS401, PHYS374, and MATH240.* Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Paulo Bedaque	Seats (Total: 45)	
	MWF 10:00am - 10:50am	PHY 1402	
	W 11:00am - 11:50am	PHY 1402	

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273; or students who have taken courses with comparable content may contact the department. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Instructor: TBA	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	PHY 1402

PHYS405 **Advanced Experiments**

PHYS405 *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Abolhassan Jawahery	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing.* Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Thomas Cohen	Seats (Total: 10)	
	Contact instructor or department for details.		

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS374.* Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Instructor: TBA	Seats (Total: 45)	
	TuTh 9:00am - 10:50am	PHY 1402	

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Kaustubh Agashe	Seats (Total: 49)	
	TuTh 11:00am - 11:50am	PHY 1402	
	M 11:00am - 11:50am	PHY 1402	
	F 11:00am - 11:50am	PHY 1402	Discussion

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Bei Lok Hu	Seats (Total: 40)
	MW 3:30pm - 4:45pm	PHY 0405

PHYS431 **Properties of Matter**

PHYS431 Properties of Matter; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS271, PHYS270, and MATH241; and (PHYS401 or PHYS420). Also offered as: ENMA460. Credit only granted for: ENMA460 or PHYS431.* Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Instructor: TBA	Seats (Total: 15)
	MW 5:00pm - 6:15pm	CHE 2108

PHYS441 **Topics in Nuclear and Particle Physics**

PHYS441 Topics in Nuclear and Particle Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS401 or PHYS402. Corequisite: PHYS402. A survey of concepts in particle and nuclear physics, with a topical emphasis on the impact of the Weak Interaction and the discovery of Parity Violation.

0101	Shabnam Jabeen	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 0401

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS601 **Theoretical Dynamics**

PHYS601 *(PermReq)* **Theoretical Dynamics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS410; or students who have taken courses with comparable content may contact the department. Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.

0101	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 49) PHY 1402

PHYS604 **Methods of Mathematical Physics**

PHYS604 *(PermReq)* **Methods of Mathematical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must have completed coursework in advanced calculus; and (PHYS411 and PHYS410). Or students who have taken courses with comparable content may contact the department. Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.

0101	Adil Hassam TuTh 9:30am - 10:45am	Seats (Total: 50) CHM 0115

PHYS622 **Introduction to Quantum Mechanics I**

PHYS622 *(PermReq)* **Introduction to Quantum Mechanics I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: Must have an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.

0201	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 55) PHY 1204 PHY 1204

PHYS624 **Advanced Quantum Mechanics**

PHYS624 Advanced Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.

0101	Zackaria Chacko	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	PHY 1219

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

PHYS675 Introduction to Relativity, Gravitation and Cosmology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS606 and PHYS601. Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

0101	Theodore Jacobson	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PHY 1219

PHYS709 **Seminar in General Physics; Statistical Physics**

PHYS709 Seminar in General Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709B.

0101	John Weeks	Seats (Total: 30)
	Tu 1:15pm - 2:30pm	IPT 1116

PHYS715 **Chaotic Dynamics**

PHYS715 Chaotic Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS601. Theory and applications of chaos in dynamical systems including such topics as strange attractors, Lyapanov exponents, quasiperiodicity, period doubling, intermittency, crises, fractal basin boundaries, chaotic scattering, KAM tori, and quantum chaos. Also offered as ENEE789O.

0101	Edward Ott	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PHY 1201

PHYS721 **Atomic and Optical Physics I (Survey)**

PHYS721 Atomic and Optical Physics I (Survey); (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.

0101	Alexey Gorshkov, Ian Spielman	Seats (Total: 30)
	MW 2:30pm - 3:50pm	PHY 1219

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Steven Rolston	Seats (Total: 30)
	M 11:00am - 12:50pm	CSS 2400

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 739.

0101	Victor Galitskiy, Johnpierre Paglione	Seats (Total: 30)
	Th 2:00pm - 3:50pm	PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 738.

0101	Johnpierre Paglione, Victor Galitskiy	Seats (Total: 30)
	Th 2:00pm - 3:50pm	PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Elizabeth Beise, Carter Hall	Seats (Total: 24)
	W 2:30pm - 4:00pm	PHY 2202

PHYS749 **Seminar in Theoretical Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Xiangdong Ji	Seats (Total: 20)
	W 4:00pm - 6:00pm	PHY 1219

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Seminar in Elementary Particles and Quantum Field Theory**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Alberto Belloni	Seats (Total: 25)
	W 4:00pm - 6:00pm	PHY 1201

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kaustubh Agashe	Seats (Total: 15)
	M 3:00pm - 4:00pm	PHY 4102

PHYS769 **Seminar in Plasma Physics**

PHYS769 Seminar in Plasma Physics; (1 credit) Grade Method: REG/AUD. Class will meet in ERF 1207.

0101	Adil Hassam W 4:00pm - 5:15pm	Seats (Total: 35) PHY 1402

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Hamilton M 4:30pm - 5:45pm	Seats (Total: 20) CSS 2400

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Thomas Cohen Tu 4:00pm - 6:00pm	Seats (Total: 160) PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.

0101	Daniel Lathrop, Edward Ott Th 12:30pm - 1:30pm	Seats (Total: 10) ERF 1207

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Superconductivity, Quantum Materials and Nanoscience Seminar; (2 credits) Grade Method: REG/AUD.

0101	Christopher Lobb M 4:00pm - 5:50pm	Seats (Total: 50) PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

PHYS839A Special Topics in Theoretical Solid State Physics: Theory of Low Dimensional Systems; (1 credit) Grade Method: REG/AUD.

0101	Sankar Das Sarma F 4:00pm - 7:00pm	Seats (Total: 20) PHY 1201

PHYS859I **Special Topics in Elementary Particles and Quantum Field Theory; An Introduction To Basic String Theory**

PHYS859I Special Topics in Elementary Particles and Quantum Field Theory: An Introduction To Basic String Theory; (3 credits) Grade Method: REG/AUD.

0101	Sylvester Gates W 3:30pm - 6:30pm	Seats (Total: 20) PHY 1304

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2014

PLSC101 **Introductory Crop Science**

PLSC101 Introductory Crop Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance. Students must pay a $50.00 laboratory materials fee.

0101	William Phillips MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	William Phillips MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0103	William Phillips MWF 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0104	William Phillips MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab

PLSC115 **How Safe is Your Salad? The Microbiological Safety of Fresh produce**

PLSC115 How Safe is Your Salad? The Microbiological Safety of Fresh produce; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series. *Recommended: PLSC100, PLSC101, or BSCI105.* As food is produced in larger quantities and made to travel longer distances, keeping our food safe in this day and age is an ever growing challenge. This course will focus on the question of what it takes to grow and maintain safe fruits and vegetables, as food travels along the path from the farm to your fork. Food safety of fresh produce will be discussed from the public health, agricultural, economical and policy perspectives.

0101	Shirley Micallef	Seats (Total: 24)	
	Tu 11:00am - 12:15pm	PLS 1130	
	Th 11:00am - 12:15pm	PLS 1130	Discussion
0102	Shirley Micallef	Seats (Total: 24)	
	Tu 11:00am - 12:15pm	PLS 1130	
	Th 11:00am - 12:15pm	PLS 1111	Discussion
0103	Shirley Micallef	Seats (Total: 24)	
	Tu 11:00am - 12:15pm	PLS 1130	
	Th 11:00am - 12:15pm	PLS 1180	Discussion

PLSC120 **Mushrooms and Molds**

PLSC120 Mushrooms and Molds; (3 credits) Grade Method: REG/P-F/AUD. Students will learn about how essential fungi (mushroom, molds, and alikes) are in this world and how they affect our daily lives. They will learn how fungi interact with animals, plants and other organisms in positive and negative ways. Also, they will study the importance of fungi in biotechnology and food and how they have shaped many societies throughout history.

0101	Priscila Chaverri	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	PLS 1117	
	The course will have a blended instruction format with online and in-class lectures, and one or two field outings and laboratories."		

PLSC201 **Plant Structure and Function**

PLSC201 Plant Structure and Function; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC100; or PLSC101. And CHEM103; or CHEM131. And CHEM132.* The relationship between plant structure and function and how the environment influences changes in the physiology to control higher plant growth and development are studied.

0101	Instructor: TBA MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 16) PLS 1119 RGC 1111	 Lab
0102	Instructor: TBA MWF 10:00am - 10:50am Th 12:30pm - 3:15pm	Seats (Total: 16) PLS 1119 RGC 1111	 Lab

PLSC203 **Plants, Genes and Biotechnology**

PLSC203 Plants, Genes and Biotechnology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: BSCI103 or BSCI105. An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

0101	Gary Coleman TuTh 3:30pm - 4:45pm	Seats (Total: 23) PLS 1176	

PLSC204 **Fundamentals of Agricultural Mechanics**

PLSC204 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.

Credit only granted for: ENBE200 or PLSC204. Formerly: ENBE200. A comprehensive course that teaches the fundamentals of agricultural related mechanics. Lecture and lab exercises will cover the broad range of topics associated with agricultural mechanics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation including development of safety protocols for each area of study and introduction of GPS equipment and software for survey data collection.

0101	Roy Walls TuTh 9:00am - 9:50am TuTh 10:00am - 11:50am	Seats (Total: 10) ANS 0504 ANS 0504	 Lab
0201	Roy Walls TuTh 1:00pm - 1:50pm TuTh 2:00pm - 3:50pm	Seats (Total: 10) ANS 0504 ANS 0504	 Lab

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

PLSC253 Woody Plants for Mid-Atlantic Landscapes I; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: PLSC100. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Instructor: TBA MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Instructor: TBA MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab
0103	Instructor: TBA MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab

PLSC289I **Greening Cities: Who Wins, Who Loses, and Who Cares?**

PLSC289I Greening Cities: Who Wins, Who Loses, and Who Cares?; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Marla McIntosh	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	CCC 1205	

PLSC305 **Introduction to Turf Management**

PLSC305 Introduction to Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Principles of turf culture. Identification and uses of turfgrass species; turfgrass fertilization, cultivation, mowing and establishment; and the identification of turf pests.

0101	Justin Mathias, Mark Carroll	Seats (Total: 24)	
	Tu 4:00pm - 6:00pm	PLS 1119	
	Th 4:00pm - 6:00pm	PBR 1102	Lab

PLSC389 **Internship**

PLSC389 Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 20)
	W 9:00am - 9:50am	PLS 1119

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC400 **Environmental Plant Physiology**

PLSC400 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Also offered as: ENST407. Credit only granted for: PLSC400 or ENST407. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses. Also offered ENST407. Credit granted for PLSC400 or ENST407.

0101	Jianhua Zhu, Wendy Peer TuTh 12:30pm - 1:45pm M 5:00pm - 8:00pm	Seats (Total: 6) HBK 1112 PLS 1153	 Lab
0102	Jianhua Zhu, Wendy Peer TuTh 12:30pm - 1:45pm Tu 5:30pm - 8:30pm	Seats (Total: 7) HBK 1112 PLS 1153	 Lab

PLSC415 **Diseases of Trees and Shrubs**

PLSC415 Diseases of Trees and Shrubs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC201; or permission of instructor. Credit only granted for: PLSC415 or PLSC489E. Formerly: PLSC489E. Diseases on woody plants commonly planted or native to Mid-Atlantic region. Biology, identification and management of important plant pathogens.

0101	Yilmaz Balci W 1:00pm - 2:50pm W 3:00pm - 4:40pm	Seats (Total: 18) PLS 1115 PLS 1153	 Lab

PLSC420 **Principles of Plant Pathology**

PLSC420 Principles of Plant Pathology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131, CHEM132, and PLSC201; or students who have taken courses with comparable content may contact the department. An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Yilmaz Balci TuTh 1:00pm - 2:15pm Tu 2:30pm - 5:15pm	Seats (Total: 18) PLS 1111 PLS 1153	 Lab
0102	Yilmaz Balci TuTh 1:00pm - 2:15pm Th 2:30pm - 5:15pm	Seats (Total: 18) PLS 1111 PLS 1153	 Lab

PLSC433 **Technology of Fruit and Vegetable Production**

PLSC433 Technology of Fruit and Vegetable Production; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC201, NRSC411, PLSC271, and PLSC202; or students who have taken courses with comparable content may contact the department. Corequisite: BSCI442. Recommended: ENST200. Restriction: Junior standing or higher. Credit only granted for: NRSC411 or PLSC433. A critical analysis of research work and application of the principles of plant physiology, chemistry and botany to practical problems in the commercial production of fruit and vegetable crops. Students must pay a $100.00 laboratory materials fee.

0101	Christopher Walsh MW 11:00am - 12:15pm M 1:00pm - 4:50pm	Seats (Total: 8) PLS 1119 PLS 0123	 Lab
0102	Christopher Walsh MW 11:00am - 12:15pm W 1:00pm - 4:50pm	Seats (Total: 8) PLS 1119 PLS 0123	 Lab

PLSC453 **Weed Science**

PLSC453 Weed Science; (3 credits) Grade Method: REG/P-F/AUD.
Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

0101	William Phillips TuTh 9:30am - 10:45am Tu 11:00am - 12:50pm	Seats (Total: 24) PLS 1111 PLS 1153	 Lab

PLSC481 **Vegetation Assessment and Analysis**

PLSC481 Vegetation Assessment and Analysis; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or BSCI106; or permission of instructor. Recommended: PLSC201, BSCI360, PLSC226, or PLSC471. An overview of vegetation assessment through the collection of data in the field (e.g. plots and transects) and the analysis of existing data and remotely detected images (e.g. Aerial photographs and GIS layers).

0101	Maile Neel, Joseph Sullivan	Seats (Total: 20)	
	M 1:00pm - 1:50pm	PLS 2137	
	M 2:00pm - 5:20pm	PLS 2137	Lab

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489D **Special Topics in Plant Science; Low Maintenance Plant Design**

PLSC489D Special Topics in Plant Science: Low Maintenance Plant Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489F **Special Topics in Plant Science; Food Safety - Linking Agriculture and Public Health**

PLSC489F Special Topics in Plant Science: Food Safety - Linking Agriculture and Public Health; (1 credit) Grade Method: REG/P-F/AUD.
For students in plant sciences, food science and public health interested in ensuring food safety of fresh fruits and vegetables. Basic instruction in the good agricultural practices (GAPs) that underpin food safety programs of fresh produce will be taught. Through lectures and case-studies, students will then develop the skills required to create and evaluate food safety plans currently required for third-party audits, and the federal Food Safety Modernization Act (FSMA).

0101	Christopher Walsh, Donna Pahl **Meets November 5, 2014 - December 10, 2014** Th 1:30pm - 4:20pm	Seats (Total: 10) SYM 0118	

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan Contact instructor or department for details.	Seats (Total: 10)	

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan Contact instructor or department for details.	Seats (Total: 5)	

PLSC489P **Special Topics in Plant Science; Pro Golf Turf**

PLSC489P *(PermReq)* **Special Topics in Plant Science: Pro Golf Turf; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Carroll Contact instructor or department for details.	Seats (Total: 5)	

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

PLSC489R *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 or PLSC204; and permission of instructor.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC601 **Plant Genomics**

PLSC601 Plant Genomics; (3 credits) Grade Method: REG/AUD.
Credit only granted for: AGRO601, NRSC601, or PLSC601. Formerly: NRSC601. An advanced course in plant genomics which is the study of genes of plant chromosomes. It will cover current topics in gene mapping, molecular markers, QTLs, gene sequencing, and genetic engineering with special focus on agriculturally important traits.

0101	Jianhua Zhu TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1180

PLSC608 **Research Methods**

PLSC608 Research Methods; (2 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Repeatable to 6 credits if content differs. Credit will be granted for only one of the following: AGRO608, NRSC608, or PLSC608. Formerly NRSC608.

0101	Angus Murphy W 11:30am - 1:10pm	Seats (Total: 35) PLS 5112

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T *(PermReq)* **Research Methods: Supervised Teaching; (2 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Marla McIntosh Contact instructor or department for details.	Seats (Total: 5)
0103	Angus Murphy Contact instructor or department for details.	Seats (Total: 5)
0104	Mark Carroll Contact instructor or department for details.	Seats (Total: 5)

PLSC689A **Special Topics; Seminars in Plant Science and Landscape Architecture**

PLSC689A Special Topics: Seminars in Plant Science and Landscape Architecture; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA W 4:00pm - 4:50pm W 5:00pm - 5:40pm	Seats (Total: 60) PLS 1130 PLS 1144	Discussion

PLSC689C **Special Topics; Conservation Biology**

PLSC689C Special Topics: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Maile Neel W 12:00pm - 1:50pm	Seats (Total: 8) PLS 2137

PLSC689G **Special Topics; Advanced Food Safety - Linking Agriculture and Public Health**

PLSC689G Special Topics: Advanced Food Safety - Linking Agriculture and Public Health; (1 credit) Grade Method: REG/AUD.

0101	Christopher Walsh, Donna Pahl **Meets November 5, 2014 - December 10, 2014** Th 1:30pm - 4:20pm	Seats (Total: 10) SYM 0118

PLSC789M **Advances in Research; Plant Membrane Biology**

PLSC789M Advances in Research: Plant Membrane Biology; (1 credit) Grade Method: REG/AUD.

0201	Angus Murphy, Wendy Peer Contact instructor or department for details.	Seats (Total: 10)

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Fall 2014

PORT104 **Intensive Elementary Portuguese**

PORT104 Intensive Elementary Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm W 11:00am - 11:50am	JMZ 0120 JMZ 0122

PORT205 **Intermediate Reading and Conversation in Portuguese I**

PORT205 Intermediate Reading and Conversation in Portuguese I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PORT204; or permission of ARHU-School of Languages, Literatures, and Cultures department. Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.

0101	Regina Igel	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2123

PORT386 **Experiential Learning**

PORT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Fall 2014

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.
The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for more course information.

0101	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 8:00am - 8:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0102	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 3:00pm - 3:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0106	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 8:00am - 8:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0107	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0108	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0109	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0110	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 3:00pm - 3:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 9:00am - 9:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0202	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 10:00am - 10:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0203	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1228	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0204	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 12:00pm - 12:50pm	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0205	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 3:00pm - 3:50pm	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0206	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 9:00am - 9:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0207	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 10:00am - 10:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0208	Ryan Curtis Th 3:30pm - 4:50pm F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 1228 ONLINE	 Discussion Discussion
0209	Ryan Curtis Th 3:30pm - 4:50pm F 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0210	Ryan Curtis Th 3:30pm - 4:50pm F 3:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
FC01	Scott Roberts MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) BPS 0283	
FC02	Scott Roberts MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 45) BPS 0283	

PSYC111 **The Psychology of Unethical Conduct**

PSYC111 The Psychology of Unethical Conduct; (1 credit) Grade Method: REG. *Additional information: Online and self-paced course open to all majors.* An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community.

0101	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0301	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE

0401	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0501	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0601	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0701	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0801	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0901	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1001	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1101	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1201	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE

PSYC123 **The Psychology of Getting Hired**

PSYC123 The Psychology of Getting Hired; (1 credit) Grade Method: REG. *Restriction: Junior standing or lower. Additional information: All required reading, viewing and learning assessments are provided for you free of additional charge on www.elms.umd.edu. The coursework will not require that you are physically on campus, though you will be interacting online directly with the instructional team, Career Center staff and your peers.* Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle! Click here for more course information.

0101	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE	

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Click here for sample course syllabus.

0101	Tracy Tomlinson TuTh 8:00am - 9:15am M 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 28) BPS 1250 BPS 1238 ONLINE	 Discussion Discussion
0102	Tracy Tomlinson TuTh 8:00am - 9:15am M 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 28) BPS 1250 BPS 1228 ONLINE	 Discussion Discussion
0103	Tracy Tomlinson TuTh 8:00am - 9:15am M 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 28) BPS 1250 BPS 1238 ONLINE	 Discussion Discussion
0104	Tracy Tomlinson TuTh 8:00am - 9:15am M 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 28) BPS 1250 BPS 0283 ONLINE	 Discussion Discussion
0105	Tracy Tomlinson TuTh 8:00am - 9:15am M 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 28) BPS 1250 BPS 1238 ONLINE	 Discussion Discussion

0201	Tracy Tomlinson	Seats (Total: 28)	
	TuTh 9:30am - 10:45am M 9:00am - 9:50am Class time/details on ELMs	BPS 1250 BPS 1228 ONLINE	 Discussion Discussion
0202	Tracy Tomlinson	Seats (Total: 28)	
	TuTh 9:30am - 10:45am M 10:00am - 10:50am Class time/details on ELMs	BPS 1250 BPS 1232 ONLINE	 Discussion Discussion
0203	Tracy Tomlinson	Seats (Total: 28)	
	TuTh 9:30am - 10:45am M 11:00am - 11:50am Class time/details on ELMs	BPS 1250 PLS 1113 ONLINE	 Discussion Discussion
0204	Tracy Tomlinson	Seats (Total: 28)	
	TuTh 9:30am - 10:45am M 2:00pm - 2:50pm Class time/details on ELMs	BPS 1250 BPS 1228 ONLINE	 Discussion Discussion
0205	Tracy Tomlinson	Seats (Total: 28)	
	TuTh 9:30am - 10:45am M 1:00pm - 1:50pm Class time/details on ELMs	BPS 1250 BPS 1236 ONLINE	 Discussion Discussion

PSYC206 **Developmental Biopsychology**

PSYC206 Developmental Biopsychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Biological basis of behavioral development in relation to genetic, constitutional, anatomical, physiological, and environmental factors. Emphasis upon both phylogenetic and ontogenetic research findings in biological psychology. For PSYC majors only.

0101	Steven Brauth	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	BPS 1232	

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for sample course syllabus.

0101	Jennifer Wessel MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 150) BPS 1250 BPS 1250	 Discussion
0201	Dylan Selterman MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 150) BPS 1250 BPS 1250	 Discussion
FC01	Dylan Selterman TuTh 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 40) BPS 1243	

PSYC289E **Psychology of Evil**

PSYC289E Psychology of Evil; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture). Click here for more course information.

0101	Scott Roberts TuTh 2:00pm - 3:15pm	Seats (Total: 123) BPS 1250	

PSYC300 **Research Methods in Psychology Laboratory**

PSYC300 Research Methods in Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.* A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. For PSYC majors only.

0101	Edward Bernat MW 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 EGR 1102	Discussion
0102	Edward Bernat MW 1:00pm - 1:50pm Th 10:00am - 11:50am	Seats (Total: 16) BPS 1243 MTH 0401	Discussion
0103	Edward Bernat MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1228	Discussion
0104	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1243 CHM 1228	Discussion
0105	Edward Bernat MW 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 PLS 1158	Discussion
0106	Instructor: TBA MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1234	Discussion
0201	Edward Bernat MW 12:00pm - 12:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0202	Instructor: TBA MW 12:00pm - 12:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1243 BPS 1232	Discussion

0203	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 BPS 1232	 Discussion
0204	Instructor: TBA MW 12:00pm - 12:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1232	 Discussion
0205	Edward Bernat MW 12:00pm - 12:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1243 BPS 1232	 Discussion
0206	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 PLS 1162	 Discussion

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 and BSCI105.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	David Yager MW 5:00pm - 6:15pm	Seats (Total: 150) BPS 1250	

PSYC303 **Professional Development for Psychology Majors**

PSYC303 Professional Development for Psychology Majors; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and must have completed 3 additional credits in PSYC courses. Or permission of BSOS-Psychology department. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309C or PSYC303. Formerly: PSYC309C. An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.

0101	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE
0301	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE

PSYC318D **Community Interventions: Theory and Research; Community Interventions: Domestic Violence**

PSYC318D Community Interventions: Theory and Research: Community Interventions: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498A. For PSYC majors only. Theories and research related to domestic violence and interventions with abused women will be studied, and students will think critically regarding ethical and multicultural issues related to domestic violence. Community resources and strategies for ending domestic violence in the United States will be discussed.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 35) PLS 1111

PSYC330 **Child Psychopathology**

PSYC330 Child Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Restriction: Must be in Psychology program. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B. Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence. For PSYC majors only.

0101	Andrea Chronis-Tuscano TuTh 11:00am - 12:15pm	Seats (Total: 100) BPS 1243

PSYC332 **Psychology of Human Sexuality**
Contact department for information to register for this course.

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Curtis TuTh 9:30am - 10:45am	Seats (Total: 150) BRB 1101

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Nazish Salahuddin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 88) CSI 2117 ONLINE

PSYC338D **Special Topics in Study Abroad III; Developmental Disorders**
Contact department for information to register for this course.

PSYC338L **Special Topics in Study Abroad III; Dynamic Project Leadership**
Contact department for information to register for this course.

PSYC338N **Special Topics in Study Abroad III; Neuroscience of Fear**
Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**
Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 and PSYC300. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Robert Slevc	Seats (Total: 117)
	TuTh 12:30pm - 1:45pm	BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Restriction: Must be in Psychology program. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Charles Gelso	Seats (Total: 117)
	TuTh 2:00pm - 3:15pm	BPS 1243

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for sample course syllabus.

0101	Susan Lee MWF 12:00pm - 12:50pm	Seats (Total: 150) LEF 2205

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100.* Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Tracy Riggins TuTh 11:00am - 12:15pm	Seats (Total: 135) JMZ 0220
SG91	Rebecca Morse TuTh 11:00am - 12:15pm	Seats (Total: 40) BLD3 3206

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	James Grand TuTh 8:00am - 9:15am	Seats (Total: 111) BPS 1243

PSYC389 **Experiential Learning**

PSYC389 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD.
For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor. Restricted to PSYC majors only.

0101	Steven Young	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301. Additional information: Priority is given to PSYC majors.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	BPS 1238

PSYC403 **Animal Behavior**

PSYC403 Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301.* Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TWS 0207

PSYC404 **Introduction to Behavioral Pharmacology**
Contact department for information to register for this course.

PSYC407 **Behavioral Neurobiology Laboratory**

PSYC407 *(PermReq)* **Behavioral Neurobiology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC301. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals. Permission required (contact professor, ddyager@umd.edu) Click here for sample course syllabus.

0101	David Yager MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	Lab
0201	David Yager MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	Lab
0301	David Yager MW 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	Lab

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 *(PermReq)* **Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F.
For students in the neuroscience minor. Research presentations on selected topics in neuroscience. Review and discussion of background readings related to research presentations take place on alternate weeks. Restricted to students in the neuroscience minor. Click here for sample course syllabus.

0101	Erica Glasper Andrews, Catherine Carr Tu 4:00pm - 6:30pm	Seats (Total: 28) JMZ 3205	

PSYC411 **Introduction to Functional Magnetic Resonance Imaging**

PSYC411 Introduction to Functional Magnetic Resonance Imaging; (3 credits)
Grade Method: REG/P-F.
Prerequisite: PSYC200, PSYC301, and PSYC300. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309N or PSYC411. Formerly: PSYC309N. An introduction to functional magnetic resonance imaging (fMRI). Students will be taught about formulating testable hypotheses with fMRI, utilizing basic methods in fMRI studies, and understanding existing limitations of fMRI studies in the literature.

0101	Luiz Pessoa TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 1232	

PSYC420 **Experimental Psychology: Social Psychology Laboratory**

PSYC420 Experimental Psychology: Social Psychology Laboratory; (4 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Dylan Selterman MW 10:00am - 10:50am F 8:00am - 9:50am	Seats (Total: 15) BPS 1236 EGR 0135	 Lab
0102	Dylan Selterman MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 15) BPS 1236 EGR 0135	 Lab
0103	Dylan Selterman MW 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 15) BPS 1236 EGR 0135	 Lab
0201	Dylan Selterman MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 15) BPS 1236 CHE 2136	 Lab

0202	Dylan Selterman MW 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 15) BPS 1236 BPS 1238	 Lab
0203	Dylan Selterman MW 11:00am - 11:50am Th 2:00pm - 3:50pm	Seats (Total: 15) BPS 1236 MTH 0401	 Lab

PSYC425 **Psychology and Law**

PSYC425 Psychology and Law; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100, PSYC200, and PSYC300. Restriction: Must be in Psychology program. Credit only granted for: PSYC309K, PSYC325, or PSYC425. Formerly: PSYC309K.* An introduction to the intersection of psychology and the criminal justice sytem, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These apsects will be evaluated with a research lens as well as an applied outlook.

0101	Tracy Tomlinson TuTh 2:00pm - 3:15pm	Seats (Total: 30) BPS 1232	

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

PSYC432 Counseling Psychology: Theories, Research, and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Nazish Salahuddin, Alexandra Savela MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 40) BPS 1236 ONLINE	
0301	Nazish Salahuddin, Shudarshana Gupta MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 40) BPS 1238 ONLINE	

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.

Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to undergraduate PSYC majors who have completed 85 credits. Click here for sample course syllabus.

0101	Ellen Baumann Tu 4:30pm - 6:20pm Th 4:30pm - 6:30pm	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0102	Ellen Baumann Tu 4:30pm - 6:20pm Th 4:30pm - 6:30pm	Seats (Total: 10) BPS 1236 BPS 0283	 Lab
0103	Ellen Baumann Tu 4:30pm - 6:20pm Th 1:30pm - 3:30pm	Seats (Total: 10) BPS 1236 JMZ 1103	 Lab
0104	Ellen Baumann Tu 4:30pm - 6:20pm Th 1:30pm - 3:30pm	Seats (Total: 10) BPS 1236 JMZ 1120	 Lab
0201	Marisa Franco M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0202	Marisa Franco M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 10) BPS 1236 BPS 1238	 Lab
0203	Marisa Franco M 4:00pm - 5:50pm W 1:00pm - 3:00pm	Seats (Total: 10) BPS 1236 BPS 1234	 Lab

0204	Marisa Franco M 4:00pm - 5:50pm W 1:00pm - 3:00pm	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0301	Margo Gregor W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 10) BPS 1236 SYM 0209	 Lab
0302	Margo Gregor W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 10) BPS 1236 PLS 1111	 Lab
0303	Margo Gregor W 4:00pm - 5:50pm M 1:00pm - 3:00pm	Seats (Total: 10) BPS 1236 BPS 1232	 Lab
0304	Margo Gregor W 4:00pm - 5:50pm M 1:00pm - 3:00pm	Seats (Total: 10) BPS 1236 PLS 1158	 Lab

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Andres De Los Reyes MWF 11:00am - 11:50am	Seats (Total: 75) TYD 2109

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

PSYC437 The Assessment and Treatment of Addictive Behaviors; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and 9 credits in PSYC courses. Credit only granted for: PSYC309E (taken in the Winter Term) or PSCY437. Formerly: PSYC309E. Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

0101	Laura MacPherson TuTh 2:00pm - 3:15pm	Seats (Total: 40) ARC 1103	

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC341 and PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

0101	Tracy Tomlinson TuTh 12:30pm - 1:45pm W 1:00pm - 3:00pm	Seats (Total: 18) BPS 0283 LEF 0214	 Lab

PSYC442 **Psychology of Language**
Contact department for information to register for this course.

PSYC445 **The Psychology of Video Games and Entertainment**

PSYC445 The Psychology of Video Games and Entertainment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Restriction: Must be in Psychology program; or permission of BSOS-Psychology department. Credit only granted for: PSYC309V or PSYC445. Formerly: PSYC309V. An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered. For PSYC majors only.

0101	Kent Norman MWF 2:00pm - 2:50pm	Seats (Total: 36) PLS 1129

PSYC455 **Cognitive Development**

PSYC455 *(PermReq)* **Cognitive Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restriction: Must be in Psychology program. Theory and research in cognition from a life-span developmental perspective including memory, reasoning, attention, spatial cognition, and conceptual organization, and discussions of implications of current research for a variety of educational interventions. Permission of department required.

0201	Jonathan Beier	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SQH 2119

PSYC455H **Cognitive Development**

PSYC455H *(PermReq)* **Cognitive Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restriction: Must be in Psychology program. Theory and research in cognition from a life-span developmental perspective including memory, reasoning, attention, spatial cognition, and conceptual organization, and discussions of implications of current research for a variety of educational interventions.

0101	Jonathan Beier	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SQH 1101

PSYC457 **Consensual Qualitative Research Methods Laboratory**

PSYC457 *(PermReq)* **Consensual Qualitative Research Methods Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 and PSYC300; and permission of BSOS-Psychology department. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Credit only granted for: PSYC457 or PSYC498H (taken in Fall 2010 or Fall 2011). Formerly: PSYC498H. An exploration of philosophy of science and methods involved in qualitative research methods in counseling psychology, along with a comparison to quantitative research methods. The laboratory component involves conducting a qualitative study, including reviewing the literature, designing an interview protocol, training to conduct interviews, conducting interviews, analyzing the data, and writing a manuscript.

0101	Clara Hill	Seats (Total: 10)
	MW 10:00am - 12:00pm	MTH 0104

PSYC460 **Psychological Foundations of Personnel Selection and Training**

PSYC460 Psychological Foundations of Personnel Selection and Training; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC361 and PSYC200. An examination of issues and processes involved in the design and evaluation of personnel selection and training programs in a variety of organizational settings: job, person and organizational analysis; organizational choice; development of predictors; evaluation of instructional and training systems; criteria for performance evaluation, promotion and training.

0101	Paul Hanges	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BPS 0283

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC489A **Advanced Special Topics in Psychology; Human Factors**

PSYC489A Advanced Special Topics in Psychology: Human Factors; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. An overview of human factors psychology, which is an applied science that incorporates principles of human behavior, performance, and cognition into the design, evaluation, and improvement of simple and complex systems. Restricted to PSYC (major code 20010) students only. Click here for more course information.

0101	Ian Reagan	Seats (Total: 20)
	Th 6:15pm - 7:45pm Class time/details on ELMs	BPS 1238 ONLINE

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

PSYC601 Quantitative Methods I; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC200; or students who have taken courses with comparable content may contact the department. A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation. For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Michael Dougherty	Seats (Total: 26)	
	TuTh 9:00am - 10:50am	BPS 0283	
	Th 5:00pm - 7:00pm	EGR 0312	Lab

PSYC604 **Fundamentals of Social Psychology**

PSYC604 Fundamentals of Social Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC604 or PSYC640. Formerly: PSYC640. A survey of classic and contemporary theories, research and methods in social psychology. For PSYC majors only.

0101	Edward Lemay	Seats (Total: 30)
	M 1:00pm - 3:30pm	KEB 1200

PSYC610 **Historical Viewpoints and Current Theories in Psychology**

PSYC610 Historical Viewpoints and Current Theories in Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC610 or PSYC688. Formerly: PSYC688. Origins of psychology in philosophy and the sciences; the development of psychology as a science in the nineteenth and twentieth centuries. A review of current theoretical perspectives and research in relation to the enduring issues in psychology. The role of culture, science, and technology in the development of psychological ideas.

0101	William Hodos	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	BPS 1234

PSYC612 **Theories of Personality**

PSYC612 Theories of Personality; (3 credits) Grade Method: REG/AUD. Scientific requirements for a personality theory. Postulates and relevant research literature for several current personality theories. What makes each of us unique? How do these differences contribute to enduring differences in health & wealth? Review work in humans/non-humans aimed at understanding the psychobiological mechanisms underlying trait-like differences in personality (Negative/Positive Emotionality & Self-Control). Discuss phylogenetic/ontogenetic origins of temperment (e.g. Behavioral Inhibition), measurement issues, fundamental dimensions, mechanisms contributing to stability/change, heritability, implications for psychopathology & therapeutic intervention, & implications for public policy. Drill deeply into the neurobiology of fear/anxiety (systems- level & molecular/genetic/epigenetic evidence).

0101	Alexander Shackman	Seats (Total: 20)	
	M 9:00am - 11:45am	BPS 1234	

PSYC622 **Research Methods in Clinical Psychology**

PSYC622 Research Methods in Clinical Psychology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718. Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

PYC1	Julia Felton	Seats (Total: 40)	
	Meets September 2, 2014 - November 21, 2014		
	Tu 6:30pm - 9:30pm	BPS 0283	
	W 6:00pm - 7:00pm	ONLINE	Discussion
	Restricted to the Clinical Psychological Science Program.		

PSYC623 **Child Psychopathology**

PSYC623 Child Psychopathology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

0101	Julia Shadur Tu 2:30pm - 5:00pm	Seats (Total: 20) JMZ 1124

PSYC629 **Clinical Laboratory**

PSYC629 *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

0101	Carl Lejuez Contact instructor or department for details.	Seats (Total: 10)
0201	Aditi Vijay Contact instructor or department for details. *Sections will meet in BPS2114.*	Seats (Total: 10)
0301	Abigail Romirowsky Contact instructor or department for details.	Seats (Total: 10)

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez Contact instructor or department for details.	Seats (Total: 20)
0201	Karen O'Brien Contact instructor or department for details.	Seats (Total: 20)

PSYC639 **Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology; (1 credit) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez Contact instructor or department for details.	Seats (Total: 20)	
0102	Karen O'Brien Contact instructor or department for details.	Seats (Total: 20)	

PSYC643 **Ethical and Professional Issues in Clinical Psychology**

PSYC643 Ethical and Professional Issues in Clinical Psychology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC643 or PSYC719. Formerly: PSYC719. An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

0101	Mary Byrne W 1:00pm - 3:30pm	Seats (Total: 20) BPS 2114B	
PLC1	Aditi Vijay **Meets September 3, 2014 - November 22, 2014** Tu 6:00pm - 9:00pm W 6:00pm - 7:00pm *Online course is delivered synchronously. Restricted to students in th Clinical Psychological Science Program.*	Seats (Total: 30) ONLINE ONLINE	Discussion

PSYC644 **Basic Foundation of Clinical Interventions**

PSYC644 Basic Foundation of Clinical Interventions; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

0101	Carl Lejuez W 1:00pm - 4:00pm	Seats (Total: 10) COL 2103K	
PYC1	Aditi Vijay **Meets September 3, 2014 - November 22, 2014** Th 6:00pm - 9:00pm W 7:00pm - 8:00pm *Restricted to the Clinical Psychological Science Program.*	Seats (Total: 40) BPS 1236 ONLINE	Discussion

PSYC651 **Writing and Critical Thinking**

PSYC651 Writing and Critical Thinking; (3 credits) Grade Method: REG.
Restriction: Must be enrolled in and have completed 4 terms of the Clinical Psychological Science MPS program. A capstone experience to integrate knowledge learned throughout the program and improve critical thinking and research writing skills. This will be done through the production of a major research paper in an area relevant to the current or future career goals of the student and by emphasizing critical thinking skills.

PLC1	Jack Blanchard, Julia Felton **Meets September 3, 2014 - November 22, 2014** Th 6:00pm - 9:00pm W 7:00pm - 8:00pm *Online course is delivered synchronously. Restricted to students in the Clinical Psychological Science Program.*	Seats (Total: 30) ONLINE ONLINE	Discussion

PSYC662 **Understanding Trauma and Recovery I**

PSYC662 Understanding Trauma and Recovery I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor. This course is designed to provide students with an overview of psychological trauma and an introduction to treatment of trauma survivors. Current theoretical approaches to understanding trauma and treatment from psychological, developmental, neurobiological, cognitive, and ecological perspectives will be presented.

PLV1	Linda Tipton **Meets September 2, 2014 - November 21, 2014** Class time/details on ELMs *Restricted to students in the VTT Program.*	Seats (Total: 30) ONLINE

PSYC695 **Ethical and Professional Issues in Counseling Psychology**

PSYC695 *(PermReq)* **Ethical and Professional Issues in Counseling Psychology; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in the Counseling Psychology program. Also offered as: EDCP695. Credit only granted for: EDCP669, EDCP688, EDCP695, PSYC688, or PSYC695. Formerly: EDCP669 and EDCP688. Exploration of ethical and professional issues in Counseling Psychology.

0101	Derek Iwamoto Tu 2:00pm - 4:50pm	Seats (Total: 15) JMZ 3118

PSYC698 **Advanced Didactic-Practicum in Counseling Psychology**

PSYC698 *(PermReq)* **Advanced Didactic-Practicum in Counseling Psychology; (3 credits)** Grade Method: S-F.

0101	Charles Gelso W 1:00pm - 4:00pm	Seats (Total: 15) EDU 0202

PSYC700 **Theories and Strategies of Counseling Psychology**

PSYC700 *(PermReq)* **Theories and Strategies of Counseling Psychology; (3 credits)** Grade Method: REG.
Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC700 or PSYC711. Formerly: PSYC711. Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dyadic and group interrelationships.

0101	Clara Hill M 2:00pm - 4:50pm	Seats (Total: 8) CSS 2428

PSYC732 **Selection and Classification Issues in Organizations**

PSYC732 Selection and Classification Issues in Organizations; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC603; and (PSYC602; or students who have taken courses with comparable content may contact the department). Or permission of instructor.
Consideration of societal, organizational and individual demands for appropriate use of individual differences in (primarily) initial placement of employees. Recruitment, and selection issues, the role of governmental regulations, and the role of individual factors in individual behavior are considered. Extensive coverage given to fundamental psycho-metric problems and the development of individual and organizational criteria of effectiveness.

0101	Paul Hanges	Seats (Total: 10)
	Tu 1:00pm - 3:30pm	JMZ 3122

PSYC779A **Seminar in Human Performance Theory; Seminar in Cyberpsychology**

PSYC779A Seminar in Human Performance Theory: Seminar in Cyberpsychology; (3 credits) Grade Method: REG.
A review of psychological issues relevant in the design and use of automated systems. Cognitive issues include perception, attention, motivation, memory, reasoning, judgment and decision making. Automated systems range from personal computers and mobile devices to global command and control systems.

0101	Kent Norman	Seats (Total: 20)
	Th 2:00pm - 4:30pm	MTH B0427

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC798B **Graduate Seminar; The Psychology of Teaching**

PSYC798B Graduate Seminar: The Psychology of Teaching; (1 credit) Grade Method: REG/AUD.

0101	Scott Roberts W 1:00pm - 1:50pm	Seats (Total: 20) BPS 1232

PSYC798D **Graduate Seminar; Human Neuroanatomy**

PSYC798D Graduate Seminar: Human Neuroanatomy; (3 credits) Grade Method: REG/AUD.

0101	William Hodos TuTh 11:00am - 12:15pm	Seats (Total: 15) BPS 2249

PSYC798K **Graduate Seminar; Multilevel Theory and Dynamics**

PSYC798K Graduate Seminar: Multilevel Theory and Dynamics; (3 credits) Grade Method: REG/AUD.
An exploration and critical examination of principles, methodologies, and analytical approaches for research involving multilevel systems and dynamics that are relevant to organizational psychology and organizational behavior (OP/OB).

0101	James Grand TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 1102

PSYC798O **Graduate Seminar; Diversity in Organizations**

PSYC798O Graduate Seminar: Diversity in Organizations; (3 credits) Grade Method: REG/AUD.
A focus on the experiences of individuals with stigmatizing identities and how individuals from different backgrounds interact, with an emphasis on the context of work. We will explore many topics of diversity, including: how diversity has been conceptualized, the effects of diversity at multiple levels (i.e., individual, group, organization), the processes and effects of stereotyping and stigmatization in the workplace, specific types of group-based mistreatment (e.g., sexism, racism, heterosexism) and their effects on employees, and the nature of diversity management. This course will include theoretical, quantitative, and qualitative research as well as practice-oriented articles.

0101	Jennifer Wessel W 9:00am - 11:30am	Seats (Total: 20) BPS 1232

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC819D **Seminar in Personality and Development; Seminar in Attachment Theory, Research, and Clinical Implications**

PSYC819D *(PermReq)* **Seminar in Personality and Development: Seminar in Attachment Theory, Research, and Clinical Implications; (3 credits)** Grade Method: REG/AUD.

0101	Jude Cassidy	Seats (Total: 10)
	W 9:30am - 12:00pm	PLS 1162

PSYC888A **Research Methods in Psychology; Developmental Seminar**

PSYC888A Research Methods in Psychology: Developmental Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Jonathan Beier	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology; Consultation**

PSYC888C Research Methods in Psychology: Consultation; (1-3 credits) Grade Method: REG/AUD.
Psychology 601 and 602, at a minimum, and permission of instructor. Supe rvised experience in providing consultation to faculty and graduate stud ents in the design and analysis of plannned and ongoing research project s. May be repeated for credit.

0101	Tracy Tomlinson TuTh 3:30pm - 4:45pm	Seats (Total: 12) BPS 1234

PSYC888P **Research Methods in Psychology; Introduction to Functional Magnetic Resonance Imaging**

PSYC888P Research Methods in Psychology: Introduction to Functional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/AUD.

0101	Luiz Pessoa TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 1232

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD.

0201	Michael Dougherty W 9:00am - 9:50am	Seats (Total: 10) BPS 0283

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Fall 2014

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership. Restriction: Must be in the College Park Scholars Public Leadership program; and freshman standing.

0101	Jennifer Littlefield TuTh 9:30am - 10:45am	Seats (Total: 33) CCC 1100
0102	Jennifer Littlefield TuTh 9:30am - 10:45am	Seats (Total: 33) CCC 1100
0103	Jennifer Littlefield TuTh 9:30am - 10:45am	Seats (Total: 34) CCC 1100

PUAF214 **Leading and Investing in Social Change: Re-defining and Experimenting with Philanthropy**

PUAF214 *(PermReq)* **Leading and Investing in Social Change: Re-defining and Experimenting with Philanthropy; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit only granted for: PUAF214 or PUAF359I. Formerly: PUAF359I. Defines philanthropy as an exploration of how one develops a vision of the public good and then deploys resources (including donations, volunteers, and voluntary associations) to achieve an impact.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm *Restricted to students in the iGive Living Learning Program.*	Seats (Total: 65) EAS 0102

PUAF301 **Sustainability**

PUAF301 Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: AGNR301. Credit only granted for: AGNR301 or PUAF301. Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 145) CSI 1115

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 *(PermReq)* **Leadership: Philosophy, Policy and Praxis; (3 credits)** Grade Method: REG/P-F/AUD.
Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry. Restriction: Must be in the Rawlings Undergraduate Leadership Fellows Program.

0101	Nina Harris W 4:15pm - 6:45pm Contact instructor or department for details.	Seats (Total: 27) TLF 1126

PUAF311 **Women in Leadership**

PUAF311 Women in Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PUAF311 or PUAF359W. Formerly: PUAF359W. Examines the role of women in the leadership process including the participation of women as activists, voters, advocates, public leaders and as agents of change through various avenues including, among others, public service (elected and appointed), the media, community service, political organizations, and the nonprofit sector.

0101	Anne Kaiser Tu 4:15pm - 6:45pm	Seats (Total: 25) TLF 1126

PUAF313 **Advocacy in the American Political System**

PUAF313 Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PUAF313 or PUAF359C. Formerly: PUAF359C. Introduces students to the creation of law through the legislative process with a special focus on the Maryland General Assembly.

0101	Gerard Evans	Seats (Total: 120)
	M 2:00pm - 4:35pm	CSS 2324

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: REG.
Also offered as BSOS349.

0101	Christopher Perez	Seats (Total: 5)
	Contact instructor or department for details.	

PUAF386 **Experiential Learning**

PUAF386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG.
Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF388T **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

PUAF388T *(PermReq)* **Special Topics in Public Policy: Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 10)	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Seth Weissman W 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 30) PKT 1224 PKT 1224	 Discussion
0201	Seth Weissman Tu 7:00pm - 9:30pm F 1:30pm - 4:00pm	Seats (Total: 30) PKT 1224 PKT 1224	 Discussion
0301	Madiha Afzal W 4:15pm - 6:45pm F 1:30pm - 4:00pm	Seats (Total: 30) VMH 1207 VMH 1207	 Discussion
0401	Madiha Afzal W 9:15am - 11:45am F 1:30pm - 4:00pm	Seats (Total: 30) VMH 1207 VMH 1207	 Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman M 4:15pm - 6:45pm F 9:15am - 11:45am	Seats (Total: 20) VMH 1107 VMH 1203	
0201	Seth Weissman M 7:00pm - 9:30pm W 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 VMH 1207	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Christopher Foreman Th 4:15pm - 6:45pm	Seats (Total: 29) VMH 1203
0201	Christopher Foreman Tu 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107
0301	Christopher Foreman Th 9:15am - 11:45am	Seats (Total: 29) VMH 1203

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0201	Michael Busse Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm	Seats (Total: 40) VMH 1203 Location: TBA	Discussion
0301	Michael Busse W 1:30pm - 4:00pm F 9:15am - 11:45am	Seats (Total: 40) VMH 1207 VMH 1207	Discussion
0401	Michael Busse Tu 4:15pm - 6:45pm W 1:30pm - 4:00pm	Seats (Total: 40) VMH 1203 Location: TBA	Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 PKT 1224	Discussion

0201	William Helkie W 7:00pm - 9:30pm M 9:15am - 11:45am	Seats (Total: 20) VMH 1203 PKT 1224	Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Miguel Gonzalez-Marcos Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203
0301	Miguel Gonzalez-Marcos Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207
0401	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0601	Miguel Gonzalez-Marcos Th 9:15am - 11:45am	Seats (Total: 20) VMH 1207

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Covers how governments raise, spend, borrow, and manage public funds. Reviews federal,state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance. Prerequisites PUAF 610 and 640.

0201	Travis St Clair	Seats (Total: 20)	
	W 4:15pm - 6:45pm	VMH 1203	
	Th 4:15pm - 6:45pm	PKT 1221	Discussion

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF688A **Topics in Public Policy; Comparative Political Institutions**

PUAF688A Topics in Public Policy: Comparative Political Institutions; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Miguel Gonzalez-Marcos	Seats (Total: 20)
	M 1:30pm - 4:00pm	VMH 1207

PUAF688D **Topics in Public Policy; Contemporary Budgeting Theory & Practice**

PUAF688D Topics in Public Policy: Contemporary Budgeting Theory & Practice; (3 credits) Grade Method: REG/AUD.
PUAF majors or permissions of instructor only.

0101	Allen Schick	Seats (Total: 20)
	Tu 9:15am - 11:45am	VMH 1207

PUAF688J **Topics in Public Policy; Economics of Technology & Innovation Policy**

PUAF688J Topics in Public Policy: Economics of Technology & Innovation Policy; (3 credits) Grade Method: REG/AUD.

0101	Anand Patwardhan	Seats (Total: 20)
	Th 9:15am - 11:45am	VMH 1107

PUAF688M **Topics in Public Policy**
Contact department for information to register for this course.

PUAF689A **Public Policy Topics; Federal Acquisition: Concept and Management**

PUAF689A Public Policy Topics: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Also offered as BUSI758A and ENSE698J.

0101	William Lucyshyn	Seats (Total: 22)
	W 4:00pm - 6:40pm	JMP 2222

PUAF689J **Public Policy Topics; Food Economics and Health**

PUAF689J Public Policy Topics: Food Economics and Health; (3 credits) Grade Method: REG/AUD.
Restriction:: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of PUblic Policy.

0101	Alok Bhargava	Seats (Total: 20)
	W 1:30pm - 4:00pm	VMH 1101

PUAF689Q **Public Policy Topics; Quantitative Methods for Evidence-based Policies**

PUAF689Q Public Policy Topics: Quantitative Methods for Evidence-based Policies; (3 credits) Grade Method: REG/AUD.

0101	Alok Bhargava	Seats (Total: 20)
	W 9:15am - 11:45am	VMH 1101

PUAF689X **Public Policy Topics; Performance Management**

PUAF689X Public Policy Topics: Performance Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	J Mihm, Philip Joyce	Seats (Total: 32)
	M 7:00pm - 9:30pm	VMH 1203

PUAF689Y **Public Policy Topics; NonProfit Fundraising**

PUAF689Y Public Policy Topics: NonProfit Fundraising; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Instructor: TBA Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF689Z **Public Policy Topics; Strategic Management for NonProfit and Public Organizations**

PUAF689Z Public Policy Topics: Strategic Management for NonProfit and Public Organizations; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Robert Sheehan W 7:00pm - 9:30pm	Seats (Total: 30) VMH 2505

PUAF692 **Leadership Principles and Practices**
Contact department for information to register for this course.

PUAF698A **Selected Topics in Public Affairs; Poverty Measurement and Alleviation**

PUAF698A Selected Topics in Public Affairs: Poverty Measurement and Alleviation; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department

0101	Douglas Besharov, Douglas Call Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207

PUAF698C **Selected Topics in Public Affairs; Intelligence and Policy: Executive, Congressional and Public Dimensions**
Contact department for information to register for this course.

PUAF698D **Selected Topics in Public Affairs; Urban Policy**

PUAF698D Selected Topics in Public Affairs: Urban Policy; (3 credits) Grade Method: REG/AUD.

0101	Fredrica Kramer Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF698G **Selected Topics in Public Affairs; Government Contracting and Pricing**

PUAF698G Selected Topics in Public Affairs: Government Contracting and Pricing; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Arthur Garcia Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF698L **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

PUAF698N Selected Topics in Public Affairs: Intelligence and National Security; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	William Nolte Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF698P **Selected Topics in Public Affairs; Information Policy and Technology**
Contact department for information to register for this course.

PUAF698Q **Selected Topics in Public Affairs; Democracy and Democratization**

PUAF698Q Selected Topics in Public Affairs: Democracy and Democratization; (3 credits) Grade Method: REG/AUD.
Restriction:: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of PUblic Policy.

0101	David Crocker Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

PUAF698T Selected Topics in Public Affairs: Managing Across Sectors; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Elizabeth Duke	Seats (Total: 20)
	M 9:15am - 11:45am	VMH 1203

PUAF698V **Selected Topics in Public Affairs; Managing Social Services**

PUAF698V Selected Topics in Public Affairs: Managing Social Services; (3 credits) Grade Method: REG.
For PUAF majors only or permission of department.

0101	Charles Short	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1107

PUAF698X **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698Z **Selected Topics in Public Affairs; Trends in Counter Terrorism**
Contact department for information to register for this course.

PUAF699 **Selected Topics Public Policy; Motivation and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**
Contact department for information to register for this course.

PUAF699J **Selected Topics Public Policy; Pathways to Development**

PUAF699J Selected Topics Public Policy: Pathways to Development; (3 credits)
Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Allen Schick	Seats (Total: 28)
	Tu 1:30pm - 4:00pm	VMH 1207

PUAF699M **Selected Topics Public Policy; Acquisitions In National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytic Methodology**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools and Practices**
Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**
Contact department for information to register for this course.

PUAF700 **U.S. Trade: Policy and Politics**

PUAF700 U.S. Trade: Policy and Politics; (3 credits) Grade Method: REG/AUD. *Prerequisite: PUAF641, PUAF620, and PUAF640. Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Interplay between government and private interests in shaping official actions that affect international trade. Policy tools available to influence balance, magnitude, and composition of imports and exports. Evolution of executive, congressional and quasi-judicial government institutions under increased U.S. international trade exposure and trade deficit.

0101	I M Mac Destler Tu 1:30pm - 4:00pm	Seats (Total: 22) VMH 1101

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0301	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 22) VMH 1203
0401	Kenneth Apfel M 4:00pm - 6:40pm	Seats (Total: 15) JMP 2222

PUAF712 **Analysis of Fiscal Conditions**

PUAF712 Analysis of Fiscal Conditions; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

0101	Marita Brown	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1101

PUAF715 **Government and Non-Profit Accounting**
Contact department for information to register for this course.

PUAF716 **State and Local Government Budgeting**
Contact department for information to register for this course.

PUAF717 **Federal Budgeting: Policy and Process**
Contact department for information to register for this course.

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	John Steinbruner	Seats (Total: 25)
	Tu 4:15pm - 6:45pm	VMH 1207

PUAF722 **Terrorism and Democracy**
Contact department for information to register for this course.

PUAF724 **Problems of Global Security**

Contact department for information to register for this course.

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy.* Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Instructor: TBA M 4:15pm - 6:45pm	Seats (Total: 22) VMH 1203

PUAF735 **Health Policy**

PUAF735 Health Policy; (3 credits) Grade Method: REG/AUD.
Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Jerome Dugan Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1101

PUAF741 **Global Environmental Problems**

PUAF741 Global Environmental Problems; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Anand Patwardhan Th 4:15pm - 6:45pm	Seats (Total: 40) VMH 1207

PUAF742 **Environmental Ethics**

PUAF742 Environmental Ethics; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Analyzes issues such as the relation between human beings and nature from the perspectives of the science, history, philosophy, and religion. Considers the bases for policies such as environmental regulation, public lands, and international conventions with respect to the environment.

0101	Thomas Hilde M 7:00pm - 9:30pm	Seats (Total: 20) VMH 2101F

PUAF743 **Ecological Economics**

PUAF743 Ecological Economics; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Explores how taking account of the economic system's fundamental dependence on the environment alters conventional economic goals, priorities, theories, and prescriptions.

0101	Daria Karetnikov Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107

PUAF744 **Environment and Development**

PUAF744 Environment and Development; (3 credits) Grade Method: REG/AUD. Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Thomas Hilde Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1107

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 1101

PUAF753 **Advanced Negotiations**
Contact department for information to register for this course.

PUAF770 **Seminar in Housing and Community Development Strategies**
Contact department for information to register for this course.

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF773 **Housing Clinic**
Contact department for information to register for this course.

PUAF774 **Asset Management**
Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0101	I M Mac Destler M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Phillip Swagel M 4:15pm - 6:45pm Th 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 PKT 1224	 Discussion
0201	Phillip Swagel M 9:15am - 11:45am Th 4:15pm - 6:45pm	Seats (Total: 25) VMH 1207 PKT 1224	 Discussion

PUAF790 **Project Course**
Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798D **Readings in Public Policy; Defense Policy**

PUAF798D Readings in Public Policy: Defense Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Russell Rumbaugh W 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107

PUAF798F **Readings in Public Policy; Environmental Finance Strategies and Solutions**
Contact department for information to register for this course.

PUAF798J **Readings in Public Policy; Contemporary Water Resources Management**

PUAF798J Readings in Public Policy: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as ENCE688J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway Tu 5:00pm - 7:30pm	Seats (Total: 24) EGR 3102

PUAF798M **Readings in Public Policy; Arms Control and Non-Proliferation Policy**

PUAF798M Readings in Public Policy: Arms Control and Non-Proliferation Policy; (3 credits) Grade Method: REG/AUD.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF798N **Readings in Public Policy; Energy Economics**

PUAF798N Readings in Public Policy: Energy Economics; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

0101	Benjamin Schlesinger	Seats (Total: 20)
	M 9:15am - 11:45am	VMH 1107

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2014

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG.
Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Thomas Dwyer	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV688A **Selected Topics in Real Estate Development; Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	Delna White-Gray M 7:00pm - 9:40pm	Seats (Total: 30) ARC 1103

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E *(PermReq)* **Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	Charles Field Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1101

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

RDEV688G *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	David Freishtat W 7:00pm - 9:45pm	Seats (Total: 30) ARC 1101

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department and completion of 21 RDEV credits.

0101	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127
0103	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1125

0104	Margaret McFarland, Daniel Henson Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1121
0105	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 25) ARC 1123

RDEV688J **Selected Topics in Real Estate Development; Principles of Urban Design**

RDEV688J *(PermReq)* **Selected Topics in Real Estate Development: Principles of Urban Design; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	Robert McClennan Th 7:00pm - 9:40pm	Seats (Total: 25) ARC 1103

RDEV688K **Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers**

RDEV688K *(PermReq)* **Selected Topics in Real Estate Development: Tax and Accounting for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Leslie Mostow Tu 7:00pm - 9:40pm	Seats (Total: 28) ARC 1101

RDEV688L **Selected Topics in Real Estate Development; Commercial Leasing**

RDEV688L *(PermReq)* **Selected Topics in Real Estate Development: Commercial Leasing; (3 credits)** Grade Method: REG.
Prerequisite: RDEV688A, RDEV630, and permission of department.

0101	Emily Smith, Shannon Sentman W 7:00pm - 9:40pm	Seats (Total: 25) ARC 1103

RDEV688P **Selected Topics in Real Estate Development; Entrepreneurship Basics for Real Estate Developers**

RDEV688P *(PermReq)* **Selected Topics in Real Estate Development: Entrepreneurship Basics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department and completion of a minimum of 21 RDEV credits.

0101	Margaret McFarland, James Sanders M 7:00pm - 9:40pm	Seats (Total: 15) ARC 1127

RDEV689C **Current Topics in Real Estate Development; Introduction to Practice and Process**

RDEV689C *(PermReq)* **Current Topics in Real Estate Development: Introduction to Practice and Process; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	Instructor: TBA W 7:00pm - 8:40pm	Seats (Total: 30) ARC 1105

RDEV689E **Current Topics in Real Estate Development; Structured Finance**

RDEV689E *(PermReq)* **Current Topics in Real Estate Development: Structured Finance; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: RDEV688A, RDEV630, and permission of department.ent.

0101	Thomas Burton M 7:00pm - 9:40pm	Seats (Total: 19) ARC 1105

RDEV689M **Current Topics in Real Estate Development; Market Analysis and Valuation**

RDEV689M *(PermReq)* **Current Topics in Real Estate Development: Market Analysis and Valuation; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

0101	Robert Lefenfeld M 7:00pm - 9:40pm	Seats (Total: 28) ARC 1101

RDEV689T **Current Topics in Real Estate Development; Asset Management for Hospitality Properties**

RDEV689T *(PermReq)* **Current Topics in Real Estate Development: Asset Management for Hospitality Properties; (3 credits)** Grade Method: REG/AUD. Prerequisite: Permission of the department.

0101	Instructor: TBA	Seats (Total: 15)	
	Th 7:00pm - 9:40pm	ARC 1121	

RDEV689V **Current Topics in Real Estate Development; Introduction to Real Estate Finance Basics**

RDEV689V *(PermReq)* **Current Topics in Real Estate Development: Introduction to Real Estate Finance Basics; (1 credit)** Grade Method: REG/AUD.

0101	Germano Gomez	Seats (Total: 30)	
	W 8:50pm - 9:40pm	ARC 0111	

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y *(PermReq)* **Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits)** Grade Method: REG/AUD. Prerequisite: Permission of the department.

0101	Margaret McFarland	Seats (Total: 10)	
	Contact instructor or department for details.		

RELS Religious Studies Fall 2014

RELS120 **Islamic Civilization**

RELS120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Also offered as: HIST120. Credit only granted for: HIST120 or RELS120. Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut	Seats (Total: 20)	
	MW 9:00am - 9:50am	KEY 0102	
	W 10:00am - 10:50am	KEY 0119	Discussion

0102	Antoine Borrut MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0103	Antoine Borrut MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

RELS170 **Greek and Roman Mythology**

RELS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. *Also offered as: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.* An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion
0102	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 HBK 1112	Discussion
0103	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 KEY 0119	Discussion
0104	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 1122	Discussion
0105	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 KEY 0119	Discussion

0106	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 TYD 2102	Discussion
0107	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 TYD 2102	Discussion
0108	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion
0201	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 ASY 3207	Discussion
0202	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 KEY 0120	Discussion
0203	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 HBK 1108	Discussion
0204	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 KEY 0120	Discussion
0205	Lillian Doherty MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 SQH 1107	Discussion
0206	Lillian Doherty MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 SQH 1107	Discussion
0207	Lillian Doherty MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 HBK 1108	Discussion

RELS236 Philosophy of Religion

RELS236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as: PHIL236. Credit only granted for: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Xuan Wang MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0117 EDU 2101	 Discussion
0102	Xuan Wang MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 ASY 3211	 Discussion
0103	Xuan Wang MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0117 ASY 2309	 Discussion

RELS250 **Fundamental Concepts of Judaism**

RELS250 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as: JWST250, PHIL234. Credit only granted for: JWST250, PHIL234, or RELS250. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1119

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**
Contact department for information to register for this course.

RELS289D **God Wills It! The Crusades in Medieval and Modern Perspective**

RELS289D God Wills It! The Crusades in Medieval and Modern Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Also offered as: HIST133. Credit only granted for: HIST133, HIST289D, or RELS289D.

0101	Instructor: TBA MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0102	Instructor: TBA MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3221	 Discussion
0103	Instructor: TBA MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	 Discussion
0104	Instructor: TBA MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0105	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SQH 1111	 Discussion
0106	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion

RELS289T **The Practice of Tolerance in Religious Societies**

RELS289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An exploration of the relation between religious ideology and the practi e of tolerance, with particular emphasis on the history of Catholic Chri stian attitudes towards Jews in Italy -- what allowed continuous Jewish residence in papal Italy for over two millennia, and what factors threat ened that co-existence. Also offered as JWST289T and RELS289T. Credit wi ll be granted for only one of the following: HIST140, HIST289G, JWST289T or RELS289T.

0101	Bernard Cooperman MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0102	Bernard Cooperman MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TYD 2102	Discussion
0103	Bernard Cooperman MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 BPS 1236	Discussion
0104	Bernard Cooperman MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0105	Bernard Cooperman MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 2102	Discussion
0106	Bernard Cooperman MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

RELS341 **Europe in the High Middle Ages: 1000-1500**

RELS341 Europe in the High Middle Ages: 1000-1500; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST331. Credit only granted for: HIST331 or RELS341. Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance. Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance. Also offered as HIST331. Credit only granted for: RELS341 or HIST331.

0101	Marie Ito	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0126

RELS342 **Renaissance Europe**

RELS342 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST112 or HIST111; or permission of instructor required. Also offered as: HIST332. Credit only granted for: HIST332 or RELS342. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economics trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Stefano Villani	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 1117

RELS346 **History of Religion in America**

RELS346 History of Religion in America; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST255, HIST211, HIST156, HIST254, HIST213, HIST157, or HIST210; or permission of instructor. Also offered as: HIST306. Credit only granted for: HIST306 or RELS346. A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

0101	Miles Bradbury	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TLF 1103

RELS369C **Special Topics in Study Abroad III; Between Tolerance and Conflict: Jewish, Christians and Muslims in the Iberian Peninsula**
Contact department for information to register for this course.

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**
Contact department for information to register for this course.

RELS400 **Methods and Theories in the Study of Religion**

RELS400 Methods and Theories in the Study of Religion; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: RELS600. Credit only granted for: RELS400, RELS419T,RELS600, or RELS619T. Formerly: RELS419T. An exploration of scholarly approaches to the study of religion. The modern history of the secular study of religion, social dynamics, textual formations, and ritual practices.

0101	Maxine Grossman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1107

RELS419J **Advanced Topics in Religious Studies; Aztec Culture: Human Sacrifice and Conquest**

RELS419J Advanced Topics in Religious Studies: Aztec Culture: Human Sacrifice and Conquest; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448J. Credit will be granted for LASC448J or RELS 419J.

0101	James Maffie	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 2121

RELS600 **Methods and Theories in the Study of Religion**

RELS600 Methods and Theories in the Study of Religion; (3 credits) Grade Method: REG/AUD.
Also offered as: RELS400. Credit only granted for: RELS400, RELS419T, RELS600, or RELS619T. Formerly: RELS619T. An exploration of scholarly approaches to the study of religion. The modern history of the secular study of religion, social dynamics, textual formations, and ritual practices.

0101	Maxine Grossman TuTh 2:00pm - 3:15pm	Seats (Total: 5) SQH 1107

RUSS Russian Fall 2014

RUSS101 **Intensive Elementary Russian I**

RUSS101 Intensive Elementary Russian I; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS101 or (RUSS111 and RUSS112). This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence. This course has been put on a timed release system. Seats will be opended gradually by the registrar's office, to a total of 15 seats per section.

0101	Inna Hardman, Cynthia Martin MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 0103 JMZ 2122
0201	Inna Hardman, Cynthia Martin MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0103 JMZ 2122

RUSS201 **Intermediate Russian I**

RUSS201 Intermediate Russian I; (5 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: RUSS102 or RUSS114; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

0101	Zhanna Gerus-Vernola MTuWThF 10:00am - 10:50am	Seats (Total: 15) JMZ 3203

RUSS203 **Intermediate Russian for Heritage Speakers I**

RUSS203 Intermediate Russian for Heritage Speakers I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Heritage knowledge of Russian equal to or higher than minimum one year of Russian UMD language classes or appropriate Foreign Language Placement Testing (FLPT) score. Restriction: For heritage speakers only, i.e., Russian speakers who grew up outside of Russia with different levels of Russian, wanting to gain literacy and improve their Russian overall. Credit only granted for: RUSS201 or RUSS203. Designed for heritage speakers of Russian, with the goal of attaining competency in written Russian while improving speaking and reading skills.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 2117

RUSS282 **Contemporary Russian Culture**

RUSS282 Contemporary Russian Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Russia of the post-Communist era. An exploration of the cultural implications of the disintegration of the former Soviet Union. Also included is a brief introduction to the Russian language: alphabet, elementary reading and survival skills for the first time traveler. Course format includes a combination of lectures, group discussions, videos, and optional field trips. Taught in English.

0101	Cynthia Martin	Seats (Total: 55)
	Tu 3:30pm - 6:00pm	TYD 1132

RUSS298C **Special Topics in Russian Language and Literature; Intermediate Russian Conversation and Phonetics**

RUSS298C Special Topics in Russian Language and Literature: Intermediate Russian Conversation and Phonetics; (3 credits) Grade Method: REG/P-F/AUD. Intended for students who have completed the equivalent of first-year Russian to practice speaking. Special emphasis will be placed on phonetics, intonation and conversational language. Not open to native/heritage speakers. Students enrolled RUSS301 or higher need departmental permission. Contact Dr. Martin at cmartin@umd.edu.

0101	Inna Hardman	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	JMZ 2123

RUSS298L **Special Topics in Russian Language and Literature; Russian Mythology and Demonology**

RUSS298L Special Topics in Russian Language and Literature: Russian Mythology and Demonology; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English.

0101	Marianna Landa	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 0125

RUSS301 **Advanced Russian I**

RUSS301 Advanced Russian I; (3 credits) Grade Method: REG/AUD.
Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of Russian. Advanced training in written Russian communicative structures.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2123

RUSS303 **Russian Conversation: Functional Skills**

RUSS303 Russian Conversation: Functional Skills; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department. Intended for students who do not anticipate having the opportunity to study in Russia. Skills for daily life (both function and etiquette) and argumentation (rhetoric).

0101	Marianna Landa	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 0103

RUSS386 **Experiential Learning**

RUSS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department. Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS401 **Advanced Russian Composition**

RUSS401 Advanced Russian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS302; or students who have taken courses with comparable content may contact the department. Restriction: Not open to native speakers of Russian.
Approaches to argumentation, organization of information, contextualized grammar, appropriateness of lexical choice, genre, and register.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2120

RUSS411 **Linguistic Analysis of Russian I**

RUSS411 Linguistic Analysis of Russian I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in RUSS301.
Elucidation of theoretical concepts of modern linguistics through the analysis of problematic concepts in the Russian linguistic system. Phonology and the syntax of the simple sentence.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 0120

RUSS499 **Independent Study in Russian**

RUSS499 *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS499D **Independent Study in Russian; Majors' Colloquium**

RUSS499D Independent Study in Russian: Majors' Colloquium; (1 credit) Grade Method: REG.
For Russian majors in RUSS301 or above. Taught in Russian.

0101	Zhanna Gerus-Vernola	Seats (Total: 15)
	W 1:00pm - 1:50pm	JMZ 2122

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Fall 2014

SLAA498 **Second Language Research and Practicum**

SLAA498 *(PermReq)* **Second Language Research and Practicum; (1-3 credits)** Grade Method: REG.

0101	Ilina Stojanovska	Seats (Total: 10)
	Contact instructor or department for details.	

SLAA610 **Research and Theories in Second Language Acquisition**

SLAA610 Research and Theories in Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Introduction to current theories and research findings Second Language Acquisition (SLA).

0101	Michael Long	Seats (Total: 15)
	M 4:00pm - 6:30pm	JMZ 2207

SLAA611 **Fundamentals of Foreign Language Acquisition and Instruction**

SLAA611 Fundamentals of Foreign Language Acquisition and Instruction; (3 credits) Grade Method: REG/AUD.
Introduction to theoretical and practical issues relevant to foreign language learning, language acquisition, and curriculum construction.

0101	Robert De Keyser W 4:00pm - 6:30pm	Seats (Total: 15) JMZ 3205

SLAA630 **Second Language Testing**

SLAA630 Second Language Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610; or permission of ARHU-School of Languages, Literatures, and Cultures department. An introduction to basic concepts in the assessment of second language knowledge. Issues of reliability, dependability, construct validity, utility, and washback on instruction are examined.

0101	Steven Ross F 2:00pm - 4:30pm	Seats (Total: 15) JMZ 2123

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Long	Seats (Total: 15)
	Th 5:00pm - 7:30pm	JMZ 2122

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Fall 2014

SLLC108V **Beg Less Commonly Taught Language I; Vietnamese I**

SLLC108V Beg Less Commonly Taught Language I: Vietnamese I; (4 credits)
Grade Method: REG.
CIC Course share offering and will originate at MSU. Some synchronous meetings will occur and will be scheduled once the class begins. Study of any of the less commonly taught languages at the elementary level. Speaking, listening, reading, and writing a less commonly taught language. Development of an emphasis on oral proficiency skills.

0101	Instructor: TBA Class time/details on ELMs	Seats (Total: 10) ONLINE

SLLC169B **Special Topics in Study Abroad I; Elementary Basque I**
Contact department for information to register for this course.

SLLC169C **Special Topics in Study Abroad I; Elementary Basque II**
Contact department for information to register for this course.

SLLC169D **Special Topics in Study Abroad I; Great Czech Writers**
Contact department for information to register for this course.

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**
Contact department for information to register for this course.

SLLC199J **Special Topics in Language Study; Intermediate Japanese Oral Skills**

SLLC199J Special Topics in Language Study: Intermediate Japanese Oral Skills; (1 credit) Grade Method: REG/P-F.

0101	Kumiko Akikawa M 1:00pm - 1:50pm	Seats (Total: 12) JMZ 1103
0201	Kumiko Akikawa W 1:00pm - 1:50pm	Seats (Total: 12) JMZ 2106A
0301	Kumiko Akikawa F 4:00pm - 4:50pm	Seats (Total: 12) JMZ 1117

SLLC269B **Special Topics in Study Abroad II; Scandinavian Moods in Cinema**
Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SLLC269X **Special Topics in Study Abroad II; Intermediate Basque I**
Contact department for information to register for this course.

SLLC269Y **Special Topics in Study Abroad II; Intermediate Basque II**
Contact department for information to register for this course.

SLLC285 **European Encounters with New Worlds**

SLLC285 European Encounters with New Worlds; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Studies travel accounts, maps and visual images from Marco Polo, Christopher Columbus, Amerigo Vespucci and others to gain insight into resilient mechanisms of cross-cultural perception, communication, and representation that inform cross-cultural encounters today. Taught in English.

0101	Andrea Frisch MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 JMZ 2117	Discussion
0102	Andrea Frisch MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) TYD 0117 JMZ 2122	Discussion
0103	Andrea Frisch MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) TYD 0117 JMZ 0120	Discussion

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC309 **Language Partner Program**

SLLC309 *(PermReq)* **Language Partner Program; (1 credit)** Grade Method: REG.

0101	Mary Scullen	Seats (Total: 50)
	Meets September 29, 2014 - December 8, 2014	
	M 4:00pm - 5:50pm	Location: TBA
	Meets on the following dates: Sept. 29, Nov. 3, and Dec. 8.	

SLLC368A **Special Topics in Film Studies I; Vision, Visuality, and the Gaze in Cinema**

SLLC368A Special Topics in Film Studies I: Vision, Visuality, and the Gaze in Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM362. Credit granted for FILM362 or SLLC368A.

0101	Eric Zakim	Seats (Total: 30)
	M 10:00am - 10:50am	HBK 0302H
	W 10:00am - 11:50am	HBK 0302H

SLLC368R **Special Topics in Film Studies I; Realism and the Real in Film**

SLLC368R Special Topics in Film Studies I: Realism and the Real in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM368R. Credit granted for FILM359R or SLLC368R.

0101	Elizabeth Papazian	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	HBK 0302J	
	W 3:15pm - 5:00pm	HBK 0302J	Lab

SLLC369A **Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**
Contact department for information to register for this course.

SLLC369C **Special Topics in Study Abroad III; Czech Film**
Contact department for information to register for this course.

SLLC369D **Special Topics in Study Abroad III; Art and Dictatorship**
Contact department for information to register for this course.

SLLC369X **Special Topics in Study Abroad III; Advanced Basque I**
Contact department for information to register for this course.

SLLC369Y **Special Topics in Study Abroad III; Advanced Basque II**
Contact department for information to register for this course.

SLLC386 **Experiential Learning**

SLLC386 Experiential Learning; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.*

Contact department for information to register for this course.

SLLC601 **Teaching Foreign Languages in Higher Education**

SLLC601 *(PermReq)* **Teaching Foreign Languages in Higher Education; (1 credit)** Grade Method: REG.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: SLLC601 or SPAN605. Formerly: SPAN605.
Methods and materials for teaching foreign languages in higher education.

0101	Manel Lacorte	Seats (Total: 10)
	M 3:00pm - 4:15pm	JMZ 2120

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY Sociology Fall 2014

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101	Robert Pernick TuTh 3:30pm - 4:45pm	Seats (Total: 60) SQH 1119
0201	Perry Threlfall TuTh 2:00pm - 3:15pm	Seats (Total: 47) ASY 3207
0301	Lester Andrist MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309
0401	Chih-Chin Chen TuTh 8:00am - 9:15am	Seats (Total: 47) ASY 3203
0601	Scott Albrecht TuTh 11:00am - 12:15pm	Seats (Total: 47) ASY 3203
0801	Scott Albrecht TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 1213
0901	Robert Pernick TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
FC01	Sojin Yu MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 37) ASY 2309
FC02	Shengwei Sun TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 37) ASY 1213

SOCY100H **Introduction to Sociology**

SOCY100H Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Open to Honor students only.

0101	Lester Andrist MWF 10:00am - 10:50am	Seats (Total: 25) ASY 3203

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Perry Threlfall TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Zsuzsa Daczo MW 3:30pm - 4:45pm	Seats (Total: 60) TYD 1102
0301	Zsuzsa Daczo MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213
0501	Perry Threlfall TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213
0601	Daniel Swann MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309
0701	Daniel Swann TuTh 3:30pm - 4:45pm	Seats (Total: 47) ASY 3207
0801	Jessica Pena MWF 12:00pm - 12:50pm	Seats (Total: 50) ASY 1213
FC01	Jonathan Cox TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 39) ASY 2309

SOCY125 **Why does Educational Inequality in the U.S. Persist? Explaining Differences in Educational Attainment**

SOCY125 Why does Educational Inequality in the U.S. Persist? Explaining Differences in Educational Attainment; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

Explores questions related to educational inequality in the US. Examines what variables other than individual ability and effort influence educational attainment - how well and how far we go in school.

0101	Linda Moghadam MW 3:30pm - 4:45pm F 8:00am - 8:50am	Seats (Total: 20) ASY 2309 ASY 3203	Discussion
0102	Linda Moghadam MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2309 EDU 2102	Discussion
0103	Linda Moghadam MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2309 ASY 3215	Discussion
0104	Linda Moghadam MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2309 ASY 3203	Discussion

SOCY200 **Human Societies**

SOCY200 Human Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0604	Instructor: TBA TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 0114	Discussion

0605	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3211	Discussion
0606	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0608	John Pease TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion
0609	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Instructor: TBA TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 20) ASY 2309 LEF 0214	Lab
0102	Instructor: TBA TuTh 11:00am - 12:15pm M 10:00am - 11:50am	Seats (Total: 20) ASY 2309 LEF 0214	Lab

0103	Alan Neustadtl TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 LEF 0214	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 LEF 0214	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: SOCY201.* The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Dana Fisher MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2309 KEY 1117	 Discussion
0102	Dana Fisher MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2309 PLS 1162	 Discussion
0103	Dana Fisher MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2309 MTH 1311	 Discussion
0104	Dana Fisher MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2309 TYD 1118	 Discussion

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.

0201	Meyer Kestnbaum MW 2:00pm - 3:15pm	Seats (Total: 80) ASY 1213

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Zsuzsa Daczo MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213
0201	David Strohecker TuTh 2:00pm - 3:15pm	Seats (Total: 80) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Jenelle Clark MW 2:00pm - 3:15pm	Seats (Total: 175) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Scott Albrecht MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309

SOCY258L **Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture and Identity**
Contact department for information to register for this course.

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 3 credits in SOCY courses.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Lester Andrist MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Zachary Richer MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 80) ASY 1213
0901	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 80) ASY 1213

SOCY380 **Honors Independent Reading in Sociology**

SOCY380 *(PermReq)* **Honors Independent Reading in Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of BSOS-Sociology department. Formerly: SOCY378. This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	Linda Moghadam	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly: SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly: SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Sociology department; and junior standing or higher. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398F **Special Topics in Sociology; Gender and Migration: Global Trends and the Israeli Case**

SOCY398F Special Topics in Sociology: Gender and Migration: Global Trends and the Israeli Case; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349W and WMST498F. Credit will be granted for ISRL349W, SOCY398F or WMST498F. Increased migration, particularly among women, is one of the most discussed aspects of present-day globalization. Yet the discourse about migration both in the media and within academia is still often gender-blind. Through historical and sociological literature this course will critically survey the impact of gender on migration and its relations to ethnicity and race.

0101	Pnina Peri	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1121

SOCY398J **Special Topics in Sociology; Introductory Experimental Groups Processes Research**

SOCY398J Special Topics in Sociology: Introductory Experimental Groups Processes Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey Lucas	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Feinian Chen TuTh 11:00am - 12:15pm	Seats (Total: 29) ASY 3207

SOCY411 **Demographic Techniques**

SOCY411 Demographic Techniques; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: (SOCY201; or students who have taken courses with comparable content may contact the department); and SOCY410. Or permission of BSOS-Sociology department.* Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn MW 3:30pm - 4:45pm	Seats (Total: 29) ASY 3207

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses. Formerly: SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Michael Rendall M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 20) ASY 3211 LEF 0234

SOCY424 **Sociology of Race Relations**
Contact department for information to register for this course.

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 29)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 80)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY448M **Research in Social Psychology; Sociology of Mental Health**

SOCY448M Research in Social Psychology: Sociology of Mental Health; (3 credits) Grade Method: REG/AUD.

0101	Kathleen Denny	Seats (Total: 20)
	MW 12:30pm - 1:45pm	ASY 3203

SOCY458E **Special Topics in Study Abroad IV; Gender and Postsocialist Transformation in Central Europe Contact department for information to register for this course.**

SOCY464 **Military Sociology**

SOCY464 Military Sociology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

0101	Meredith Kleykamp	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3207

SOCY467 **Sociology of Education**

SOCY467 Sociology of Education; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

0101	Linda Moghadam	Seats (Total: 29)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY498D **Selected Topics in Sociology; Demography of Aging**

SOCY498D Selected Topics in Sociology: Demography of Aging; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Restricted to Sociology majors or permission of departmen t.

0101	Joan Kahn	Seats (Total: 29)
	MW 2:00pm - 3:15pm	ASY 3207

SOCY498G **Selected Topics in Sociology; Diversity in the Military**

SOCY498G Selected Topics in Sociology: Diversity in the Military; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kirby Bowling	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	ASY 3203

SOCY498J **Selected Topics in Sociology; Advanced Experimental Groups Processes Research**

SOCY498J Selected Topics in Sociology: Advanced Experimental Groups Processes Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey Lucas	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY498X **Selected Topics in Sociology; Love and Marriage in Modern Society**

SOCY498X Selected Topics in Sociology: Love and Marriage in Modern Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Restricted to Sociology majors or permission of departmen t.

0101	Liana Sayer	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3203

SOCY602 **Statistics For Sociological Research II**

SOCY602 Statistics For Sociological Research II; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY601; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY602 or SURV602. This course introduces regression analysis using matrix algebra. Topics include bivariate regression, multivariate regression, tests of significance, regression diagnostics, indicator variables, interaction terms, extra sum of squares, and the general linear model. Other topics may be addressed such as logistic regression and path analysis. Statistical programming software may be used.

0101	Alan Neustadtl	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 1101

SOCY620 **Development of European and American Sociological Theory**

SOCY620 Development of European and American Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY203 or SOCY403; or students who have taken courses with comparable content may contact the department; or permission of instructor. Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills). For SOCY majors only.

0101	Meyer Kestnbaum	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 1117

SOCY627 **Migration**

SOCY627 Migration; (3 credits) Grade Method: REG/AUD.
Examines theories of immigration and immigrant adaptation, empirical patterns of migration and immigration, the economic and social effects of immigration, as well as immigration policy issues.

0101	Julie Park	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 1117

SOCY630 **Population and Society**

SOCY630 Population and Society; (3 credits) Grade Method: REG.
Selected problems in the field of population; quantitative and qualitative aspects; American and world problems.

0101	Feinian Chen	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 1101

SOCY661 **Social Stratification**

SOCY661 *(PermReq)* **Social Stratification; (3 credits)** Grade Method: REG.
Restriction: Permission of instructor. Major theoretical and research problems in the sociology of social stratification. The characteristics, correlates, and consequences of class and status stratification; the distribution of power; the relationship of social stratification to ideology and the institutional orders of society. Instructor permission required.

0101	Philip Cohen	Seats (Total: 15)
	Th 6:30pm - 9:00pm	ASY 1101

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Sociology Teaching Assistants Seminar**

SOCY699A Special Social Problems: Sociology Teaching Assistants Seminar; (1 credit) Grade Method: REG/AUD.
Restricted to Sociology Graduate Students

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699B **Special Social Problems; Ideological Production: An Interdisciplinary Approach**

SOCY699B Special Social Problems: Ideological Production: An Interdisciplinary Approach; (3 credits) Grade Method: REG/AUD.
Restricted to Sociology graduate students or permission of instructor.

0101	Mansoor Moaddel	Seats (Total: 20)
	W 6:30pm - 9:00pm	ASY 1117

SOCY699D **Special Social Problems; Contemporary Sociological Methods**

SOCY699D Special Social Problems: Contemporary Sociological Methods; (3 credits) Grade Method: REG/AUD.
Restricted to Sociology Graduate Students

0101	Jeffrey Lucas	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 1101

SOCY699E **Special Social Problems; Gender Stratification**

SOCY699E Special Social Problems: Gender Stratification; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 1117

SOCY699I **Special Social Problems; Publishing Sociology**

SOCY699I Special Social Problems: Publishing Sociology; (3 credits) Grade Method: REG/AUD.
Restricted to Sociology graduate students.

0101	Dana Fisher W 3:30pm - 6:00pm	Seats (Total: 20) ASY 4111

SOCY699P **Special Social Problems; Pro-Seminar in Sociology**

SOCY699P Special Social Problems: Pro-Seminar in Sociology; (1 credit) Grade Method: REG/AUD.
Restricted to Sociology Graduate Students.

0101	Liana Sayer M 12:00pm - 12:50pm	Seats (Total: 20) ASY 2115

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Lucas Contact instructor or department for details.	Seats (Total: 10)

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	Meyer Kestnbaum Contact instructor or department for details.	Seats (Total: 10)

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Liana Sayer	Seats (Total: 10)
	Contact instructor or department for details.	
4201	Liana Sayer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Philip Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Fall 2014

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	D'Juan Lyons MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) HBK 0115 JMZ 0122
0201	Instructor: TBA MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1124 JMZ 2117
0301	Instructor: TBA MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3120 JMZ 0208
0401	Maria Becerril Longares MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122 JMZ 1122
0501	Maria Becerril Longares MF 2:00pm - 2:50pm TuW 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0118 JMZ 0103
0601	D'Juan Lyons MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) HBK 0115 JMZ 0122

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**
Contact department for information to register for this course.

SPAN169P **Special Topics in Study Abroad I; Beginner Spanish II**
Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Carla Onate MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 1117 JMZ 1120
0201	Carla Onate MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 0122 JMZ 0122
0301	Carla Onate MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 1103 JMZ 1120
0401	Mary Hernandez-Gordillo MThF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 0208
0501	Carla Onate MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3203 JMZ 0208
0601	Carla Onate MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0120 JMZ 0122

0701	Norman Gonzalez MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1124
0801	Norman Gonzalez MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1124

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2123
0201	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1122
0301	Aida Garcia Revuelta MWF 12:00pm - 12:50pm	Seats (Total: 25) ARC 1103
0401	Aida Garcia Revuelta MWF 1:00pm - 1:50pm	Seats (Total: 25) ARC 1103
0501	Sarah Dowman MWF 2:00pm - 2:50pm	Seats (Total: 25) WDS 1130

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must have native or near native knowledge of oral Spanish; and must have no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting. Offered fall only.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2122

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Ivette Rodriguez-Santana MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1224
0301	Ivette Rodriguez-Santana MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2120
0401	Daybert Linares MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0501	Daybert Linares MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0208 JMZ 0205

SPAN234 **Issues in Latin American Studies I**

SPAN234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115

0201	Reid Gustafson MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 1315

SPAN234H **Issues in Latin American Studies I**

SPAN234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English. Open to Honor students only.

0201	Reid Gustafson MW 2:00pm - 3:15pm	Seats (Total: 5) EDU 1315

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish I**
Contact department for information to register for this course.

SPAN269B **Special Topics in Study Abroad II; B1 Intermediate Level Spanish II**
Contact department for information to register for this course.

SPAN269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intermediate Spanish**
Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**
Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0401	Luis Charry MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) JMZ 0208 JMZ 2125
0501	Kayla Watson MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0103
0601	Kayla Watson MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0103
0701	Ana Acedo Garcia MF 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0103 JMZ 0120
BL01	Instructor: TBA MWF 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 20) JMZ 2207 ONLINE
BL02	Ana Acedo Garcia MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 20) JMZ 2120 ONLINE
BL03	Ana Acedo Garcia MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) JMZ 2120 ONLINE

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0205
0201	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0125
0401	Chila Hidalgo MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1215

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities. *Prerequisite: SPAN207; or permission of instructor.* Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Laura Quijano MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1224
0201	Laura Quijano MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2207
0301	Norman Gonzalez MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1124
0401	Sebastian Bartis TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1117
0501	Laura Quijano MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1117
0601	Douglas Glynn MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0125
0701	Douglas Glynn MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0205

SPAN306 **Spanish II for Native Speakers**

SPAN306 Spanish II for Native Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN206. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 3120

SPAN310 **Spanish Phonetics**

SPAN310 *(PermReq)* **Spanish Phonetics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; and permission of ARHU-School of Languages, Literatures, and Cultures department. Descriptive study of the Spanish sound system. Practice in phonetic perception, transcription, and articulation. Particular attention to sentence phonetics; juncture, rhythm, stress, pitch.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2123

SPAN315 **Commercial Spanish I**

SPAN315 Commercial Spanish I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department. Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments. Offered fall only.

0101	Fabian Faccio MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2206
0201	Fabian Faccio MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2206
0301	Fabian Faccio MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2206

0401	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2206
0501	Matthew Lewis MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206

SPAN316 **Practicum in Translation I**

SPAN316 *(PermReq)* **Practicum in Translation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department. Translation of non-literary, non-technical texts into Spanish and/or English. Offered fall only.

0201	Maria Gomez-Martin MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2125
0301	Melissa Gonzalez-Contreras MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207
0401	Melissa Gonzalez-Contreras MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2207
0501	Maria Monsalve MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0122

SPAN317 **Translation II**
Contact department for information to register for this course.

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN325 or SPAN321. Credit only granted for: SPAN321, SPAN325, or SPAN331. The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. Taught in Spanish.

0101	Carmen Benito-Vessels TuTh 12:30pm - 1:45pm	Seats (Total: 25) KNI 1105

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**
Contact department for information to register for this course.

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Jose Naharro-Calderon MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2123

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

SPAN361 Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN323 or SPAN346. Credit only granted for: SPAN361, SPAN323, or SPAN346. Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.

0101	Lisa Carney MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0205
0201	Ana Rodriguez TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2207

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**
Contact department for information to register for this course.

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN324 or SPAN347. Credit only granted for: SPAN324, SPAN347, or SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Matthew Lewis MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2117
0201	Sebastian Bartis TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 3205

SPAN369A **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**
Contact department for information to register for this course.

SPAN369B **Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**
Contact department for information to register for this course.

SPAN369F **Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**
Contact department for information to register for this course.

SPAN369G **Special Topics in Study Abroad III; Spanish for the Health Professional**
Contact department for information to register for this course.

SPAN369J **Special Topics in Study Abroad III; Spanish Grammar and Expression**
Contact department for information to register for this course.

SPAN369M **Special Topics in Study Abroad III; Spanish Language B2**
Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**
Contact department for information to register for this course.

SPAN369P	**Special Topics in Study Abroad III; Spanish Oral Techniques** **Contact department for information to register for this course.**
SPAN369Q	**Special Topics in Study Abroad III; Spanish Phonetics and Phonology** **Contact department for information to register for this course.**
SPAN369R	**Special Topics in Study Abroad III; Advanced Reading Skills in Spanish** **Contact department for information to register for this course.**
SPAN369V	**Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage** **Contact department for information to register for this course.**
SPAN369W	**Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics** **Contact department for information to register for this course.**
SPAN369Y	**Special Topics in Study Abroad III; B2 Advanced Level Spanish 1** **Contact department for information to register for this course.**
SPAN369Z	**Special Topics in Study Abroad III; B2 Advanced Level Spanish 2** **Contact department for information to register for this course.**
SPAN386	**Experiential Learning** **SPAN386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.* **Contact department for information to register for this course.**
SPAN399	**Independent Study in Spanish** **SPAN399** *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Prerequisite: permission of department. **Contact department for information to register for this course.**

SPAN401 **Advanced Composition I**

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Contact department for information to register for this course.

SPAN408L **Great Themes of the Hispanic Literatures; Latina/o Communities and Language Struggles**

SPAN408L Great Themes of the Hispanic Literatures: Latina/o Communities and Language Struggles; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Rodriguez	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2207

SPAN408M **Great Themes of the Hispanic Literatures; Latin American Short Story**

SPAN408M Great Themes of the Hispanic Literatures: Latin American Short Story; (3 credits) Grade Method: REG/P-F/AUD.

0101	Saul Sosnowski	Seats (Total: 25)
	MW 3:00pm - 4:15pm	JMZ 2122

SPAN408O **Great Themes of the Hispanic Literatures; Cultural Samples of Spanish Contemporary Crisis: From 1898 to the May 15 Movement**

SPAN408O Great Themes of the Hispanic Literatures: Cultural Samples of Spanish Contemporary Crisis: From 1898 to the May 15 Movement; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jose Naharro-Calderon	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	JMZ 2117

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Literary Myths and Philosophy in the European Tradition**

Contact department for information to register for this course.

SPAN409L **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**
Contact department for information to register for this course.

SPAN409O **Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**
Contact department for information to register for this course.

SPAN409W **Great Themes of the Hispanic Literatures; Women Writers of Spain**
Contact department for information to register for this course.

SPAN409X **Great Themes of the Hispanic Literatures; The Spanish Mystery Novel**
Contact department for information to register for this course.

SPAN409Y **Great Themes of the Hispanic Literatures; Filmmaking in Spain**
Contact department for information to register for this course.

SPAN422 **Cross-Cultural Communication**
Contact department for information to register for this course.

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**

SPAN425 Introduction to Hispanic Linguistics I: Basic Concepts; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department. This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities.

0101	Ana Acedo Garcia	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2120

SPAN449J **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**
Contact department for information to register for this course.

SPAN449Z	**Special Topics in Spanish Civilization; Barcelona/ Madrid: Literature & Film in the Contemporary City** **Contact department for information to register for this course.**
SPAN462	**Twentieth Century Drama** **Contact department for information to register for this course.**
SPAN463	**Latin American Drama** **Contact department for information to register for this course.**
SPAN464	**Contemporary Spanish Poetry** **Contact department for information to register for this course.**
SPAN469C	**Study Abroad Special Topics IV; Composition** **Contact department for information to register for this course.**
SPAN469D	**Study Abroad Special Topics IV; Chilean History** **Contact department for information to register for this course.**
SPAN479	**Honors Thesis** **SPAN479** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
SPAN495	**Honors Reading** **SPAN495 Honors Reading; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Supervised reading. **Contact department for information to register for this course.**
SPAN611	**Current Trends in Hispanic Applied Linguistics**

SPAN611 Current Trends in Hispanic Applied Linguistics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-Spanish & Portuguese Languages & Literatures department. Introduction to current trends in Hispanic Applied Linguistics, emphasizing learning and teaching in Spanish-language contexts.

0101	Manel Lacorte Tu 6:30pm - 9:15pm	Seats (Total: 10) JMZ 2207

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN798I **Open Seminar; Transnational Theory and Criticism**

SPAN798I Open Seminar: Transnational Theory and Criticism; (3 credits) Grade Method: REG/AUD.

0101	Hester Baer, Ryan Long W 4:30pm - 7:15pm	Seats (Total: 10) JMZ 2123

SPAN798Q **Open Seminar; Latin American XIX Century**

SPAN798Q Open Seminar: Latin American XIX Century; (3 credits) Grade Method: REG/AUD.

0101	Jorge Aguilar-Mora M 4:30pm - 7:15pm	Seats (Total: 10) JMZ 0205

SPAN798R **Open Seminar; Middle Ages**

SPAN798R Open Seminar: Middle Ages; (3 credits) Grade Method: REG/AUD.

0101	Carmen Benito-Vessels Tu 3:30pm - 6:15pm	Seats (Total: 10) JMZ 2215F

SPAN798Y **Open Seminar; Archipelago's Effect: Caribbean Theories of the Image**

SPAN798Y Open Seminar: Archipelago's Effect: Caribbean Theories of the Image; (3 credits) Grade Method: REG/AUD.

0101	Juan Carlos Quintero-Herencia	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 2207

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Fall 2014

SPHL389 **Public Health Science Independent Study**

SPHL389 *(PermReq)* **Public Health Science Independent Study; (1 credit)** Grade Method: REG/P-F/AUD.
Course is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program assitant director is required.

SG91	Lynn Cook	Seats (Total: 5)
	Contact instructor or department for details.	

SPHL401 **History of Public Health**

SPHL401 History of Public Health; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: SPHL401 or SPHL498E. Formerly: SPHL498E.* History of public health in the Western world from antiquity to the present. The influence of public health developments in other parts of the globe. The interaction between Western and non-Western cultures with respect to health issues.

SG91	Eric Boyle Th 2:30pm - 5:20pm	Seats (Total: 30) BLD3 4226
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	
SG92	Eric Boyle Th 6:00pm - 8:50pm	Seats (Total: 30) BLD3 4226
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL410 **Public Health Program Planning and Evaluation**

SPHL410 Public Health Program Planning and Evaluation; (3 credits) Grade Method: REG/P-F/AUD.
Students will become familiar with the dynamics of public health program planning, and the basic process of identifying unmet needs. They will be able to identify different types of program evaluation, including needs assessment, formative research, process evaluation, impact assessment, and cost analysis. Course will be offered at Shady Grove campus.

SG91	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 30) BLD3 3240
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required to other UMCP undergraduate students to enroll.	

SPHL415 **Essentials of Public Health Biology: The Cell, The Individual, and Disease**

SPHL415 Essentials of Public Health Biology: The Cell, The Individual, and Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105. Presents the basic scientific and biomedical concepts of modern public health problems and explores in depth mechanisms and models of the major categories of disease. The biologic principles presented are foundations to public health disease prevention, control, or management programs.

SG91	Michael Grantham Tu 9:00am - 11:50am	Seats (Total: 30) BLD3 4203
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	
SG92	Michael Grantham W 9:00am - 11:50am	Seats (Total: 30) BLD3 3242
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL498L **Special Topics in Public Health; Fundamentals of Health Communication**

SPHL498L Special Topics in Public Health: Fundamentals of Health Communication; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Lynn Cook M 9:00am - 11:50am	Seats (Total: 30) BLD3 4203
	Restricted to Shady Grove Students in the Public Health Science program or by permission of Program Director.	

SPHL498M **Special Topics in Public Health; Public Health in Practice**

SPHL498M Special Topics in Public Health: Public Health in Practice; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Erin Caporellie Tu 2:30pm - 5:20pm	Seats (Total: 30) BLD3 2203
SG92	Jennifer Hodgson W 2:00pm - 4:50pm	Seats (Total: 30) BLD3 3203

SPHL498N **Special Topics in Public Health; Introduction to Environmental Health**

SPHL498N Special Topics in Public Health: Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.
This course is held at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll. Credit will only be given for SPHL498N or MIEH300.

SG91	Beverly Wolpert M 5:00pm - 7:50pm	Seats (Total: 30) BLD3 2230
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	
SG92	Instructor: TBA W 5:00pm - 7:50pm	Seats (Total: 30) BLD3 2203
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL498O **Special Topics in Public Health; Exercise Physiology for Public Health Science**

SPHL498O Special Topics in Public Health: Exercise Physiology for Public Health Science; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Rosemary Lindle Th 10:00am - 12:50pm	Seats (Total: 60) BLD3 3202
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll. Credit will only be granted for S PHL498O or KNES360.	

SPHL498P **Special Topics in Public Health; Introduction to Health Policy and Services**

SPHL498P Special Topics in Public Health: Introduction to Health Policy and Services; (3 credits) Grade Method: REG/P-F/AUD.
This course is taught at the Shady Grove campus. Credit will be given for either SPHL498P or HLSA300.

SG91	Marin Allen Tu 6:00pm - 8:50pm	Seats (Total: 30) BLD3 4212
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	
SG92	Marin Allen Th 6:00pm - 8:50pm	Seats (Total: 30) BLD3 4225
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL498T **Special Topics in Public Health; Maternal, Child and Family Health**

SPHL498T Special Topics in Public Health: Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Alyssa Brooks M 5:00pm - 7:50pm	Seats (Total: 30) BLD3 4203
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL600 **Fundamentals of Global Health**

SPHL600 Fundamentals of Global Health; (3 credits) Grade Method: REG/AUD. *Credit only granted for: SPHL600 or SPHL698A. Formerly: SPHL698A.* Exploration of theoretical frameworks and practicial perspectives in global health with particular attention to the analysis of the biological, epidemiological, social, cultural and behavioral interactions that affect global health study and project implementation. The emphasis is on innovative solutions to health issues in underserved populations.

PSG1	Muhiuddin Haider M 5:00pm - 7:45pm	Seats (Total: 34) Location: TBA
	Restricted to students in the Global Health Certificate. Meets at Universities of Shady Grove.	

STAT Statistics and Probability Fall 2014

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Susan Chimiak MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0201
0102	Joshua Schneider MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0101
0103	Suddhasattwa Das MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0409
0104	Chen Qian MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0106
0105	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0303
0106	Douglas Ulrich MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0429
0107	Micah Goldblum MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0423
0108	Chunting Lu MWF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0119
0201	Casey Cremins MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH 0201
0202	Joshua Schneider MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0306

0203	Suddhasattwa Das MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0304
0204	Chen Qian MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0103
0205	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0303
0206	Douglas Ulrich MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0101
0207	Micah Goldblum MWF 2:00pm - 2:50pm	Seats (Total: 33) MTH 0305
0208	Chunting Lu MWF 2:00pm - 2:50pm	Seats (Total: 30) HBK 0108
FC01	Christoforos Somarakis TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) CHM 1224
FC02	Christoforos Somarakis TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) CHM 1224

STAT386 **Experiential Learning**

STAT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Prerequisite: Must have learning proposal approved by the CMNS-Mathematics Department.

2801	Abram Kagan Contact instructor or department for details.	Seats (Total: 10)

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0105	Discussion
0112	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0411	Discussion
0113	Instructor: TBA TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0121	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0105	Discussion
0122	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0411	Discussion
0123	Instructor: TBA TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0131	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0103	Discussion
0132	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0401	Discussion

0133	Instructor: TBA TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0211	John Millson MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0212	John Millson MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0126 HBK 0103	Discussion
0213	John Millson MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0126 CHM 0119	Discussion
0221	John Millson MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0222	John Millson MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0223	John Millson MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 ARM 0103	Discussion
0231	John Millson MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0232	John Millson MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0233	John Millson MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 ARM 0103	Discussion

0301	Timothy Pilachowski MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0401

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Yuan Liao TuTh 9:30am - 10:45am	Seats (Total: 29) ARM 0110
0201	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 30) CHE 2118
0301	Frances Gulick MWF 10:00am - 10:50am	Seats (Total: 25) ARM 0121
0401	Michael Jakobson TuTh 9:30am - 10:45am	Seats (Total: 25) ARM 0101

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as: SURV410. Credit only granted for: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Abram Kagan TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0101
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 33) MTH B0421

0301	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 33) BPS 0283

STAT420 **Introduction to Statistics**

STAT420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SURV410 or STAT410. Also offered as: SURV420. Credit only granted for: STAT420 or SURV420.* Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods.

0101	Joan Ren TuTh 9:30am - 10:45am	Seats (Total: 25) MTH 1308

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in STAT400. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Susan Chimiak MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0303
0201	Chiao-Wen Hsiao MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH 0405
0301	Xia Li MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH B0423

STAT440 **Sampling Theory**

STAT440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: STAT401 or STAT420. Also offered as: SURV440. Credit only granted for: STAT440 or SURV440.* Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Susan Chimiak MW 2:00pm - 3:15pm	Seats (Total: 25) ARM 0121
0201	James Lepkowski **Meets September 3, 2014 - December 10, 2014** MW 1:00pm - 2:30pm	Seats (Total: 10) LEF 1218
SV01	Daniel Bonnéry, Partha Lahiri W 1:00pm - 3:30pm *This section meets at the Census Bureau and Bureau of Labor and Statistics.*	Seats (Total: 25) Location: TBA

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Additional information: Not acceptable toward degrees in MATH/STAT.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 35) MTH B0421

STAT470 **Actuarial Mathematics**

STAT470 Actuarial Mathematics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH240 and MATH241. Recommended: STAT400.* Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 28)
	TuTh 9:30am - 10:45am	MTH B0423

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

STAT600 Probability Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT410.* Probability space; distribution functions and densities; Poissson limit theoreom; de Moivre-Laplace theorem; measure-theoretic definition of expectation; classification of measures on R; convergence of random variables; Radon-Nikodym theorem;LP spaces; conditional probabilities; independence of events, sigma-algebras and random variables; Bayes' theo rem; pi-systems and Dynkin systems; discrete Markov chains; random walks; gambler's ruin problem; Markov chains on a general phase space; Borel-cantelli lemmas; Kolmogorov inequality; three series theorem; laws of large numbers.

0101	Leonid Koralov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	MTH 0303

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT700 **Mathematical Statistics I**

STAT700 Mathematical Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.* Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation. Offered fall only.

0101	Eric Slud	Seats (Total: 25)
	MW 5:15pm - 6:30pm	MTH 0307

STAT705 **Computational Statistics**

STAT705 Computational Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700 or STAT420. Recommended: Have some programming experience (any language). Credit only granted for: STAT705 or STAT798C. Formerly: STAT798C.* Modern methods of computational statistics and their application to both practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.

0101	Benjamin Kedem	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 1308

STAT740 **Linear Statistical Models I**

STAT740 Linear Statistical Models I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700 or STAT420.* Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Instructor: TBA	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 0409

STAT750 **Multivariate Analysis**

STAT750 Multivariate Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700 or STAT420.* Multivariate normal, Wishart's and Hotelling's distributions. Tests of hypotheses, estimation. Generalized distance, discriminant analysis. Regression and correlation. Multivariate analysis of variance; distribution of test criteria. Principal components, canonical correlations and factor analysis.

0101	Yuan Liao	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1313

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT808A **Selected Topics in Probability**

STAT808A Selected Topics in Probability; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT818A **Selected Topics in Statistics**

STAT818A Selected Topics in Statistics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT818E **Selected Topics in Statistics; Stochastic Differential Equations**

STAT818E *(PermReq)* **Selected Topics in Statistics: Stochastic Differential Equations; (3 credits)** Grade Method: REG/AUD.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 20) MTH 0306

STAT818X **Selected Topics in Statistics; Statistical Analysis with Missing Data**

STAT818X Selected Topics in Statistics: Statistical Analysis with Missing Data; (3 credits) Grade Method: REG/AUD.
Also offered as SURV699X. Credit granted for STAT818X or SURV699X.

0101	Partha Lahiri, Daniel Bonnéry M 9:30am - 12:00pm	Seats (Total: 10) LEF 1208
SV01	Partha Lahiri M 9:30am - 12:00pm	Seats (Total: 10) Location: TBA

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Fall 2014

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems. Also offered as STAT 410.

0101	Abram Kagan TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0101
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 33) MTH B0421

SURV440 **Sampling Theory**

SURV440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Also offered as: STAT440. Credit only granted for: STAT440 or SURV440. Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling.

0101	Susan Chimiak MW 2:00pm - 3:15pm	Seats (Total: 25) ARM 0121
0201	James Lepkowski **Meets September 3, 2014 - December 10, 2014** MW 1:00pm - 2:30pm	Seats (Total: 10) LEF 1218
SV01	Partha Lahiri, Daniel Bonnéry W 1:00pm - 3:30pm *Meets at the BLS Conference Room 10 and Census T10.*	Seats (Total: 25) Location: TBA

SURV615 **Statistical Methods I**

SURV615 Statistical Methods I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed a two course sequence in probability and statistics; or students who have taken courses with comparable content may contact the department. First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis. It runs concurrently with the University of Michigan course.

0101	Sunghee Lee **Meets September 4, 2014 - December 10, 2014** Th 1:00pm - 3:30pm	Seats (Total: 20) LEF 1208

SURV623 **Data Collection Methods in Survey Research**

SURV623 Data Collection Methods in Survey Research; (3 credits) Grade Method: REG/AUD.
Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Mick Couper, Frederick Conrad **Meets September 8, 2014 - December 10, 2014** M 1:00pm - 4:00pm *Restricted to JPSM students only.*	Seats (Total: 25) LEF 1208
SV01	Douglas Currivan **Meets August 26, 2014 - December 12, 2014** Tu 3:00pm - 5:45pm *Meets at the Census Bureau, T10.*	Seats (Total: 25) Location: TBA

SURV630 **Questionnaire Design and Evaluation**

SURV630 *(PermReq)* **Questionnaire Design and Evaluation; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Ting Yan Class time/details on ELMs	Seats (Total: 20) ONLINE
SV01	Rachel Caspar **Meets August 28, 2014 - December 12, 2014** F 1:00pm - 4:00pm *Meets at the Census Bureau, T10.*	Seats (Total: 10) Location: TBA

SURV632 **Social and Cognitive Foundations of Survey Measurement**

SURV632 Social and Cognitive Foundations of Survey Measurement; (3 credits) Grade Method: REG/AUD.
Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

0101	Frederick Conrad **Meets September 3, 2014 - December 10, 2014** W 10:00am - 12:30pm	Seats (Total: 20) LEF 1208

SURV641 **Survey Practicum II**

SURV641 Survey Practicum II; (2 credits) Grade Method: REG.
Prerequisite: SURV620. Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)). Credit only granted for: SURV621 or SURV641. Formerly: SURV621. Additional information: SURV640 and SURV641 must be taken in consecutive semesters. Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and anlysis.

0101	Katharine Abraham	Seats (Total: 20)
	W 4:00pm - 6:00pm	LEF 1208

SURV650 **Economic Measurement**

SURV650 Economic Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed a course in intermediate microeconomics. Credit only granted for: SURV650 or SURV699L. Formerly: SURV699L. An introduction to the field of economic measurement. Sound economic data are of critical importance to policymakers, the business community, and others. Emphasis is placed on the economic concepts that underlie key economic statistics and the translation of those concepts into operational measures. Topics addressed include business survey sampling; the creation of business survey sampling frames; the collection of data from businesses; employment and earnings statistics; price statistics; output and productivity measures; the national accounts; and the statistical uses of administrative data. Lectures and course readings assume prior exposure to the tools of economic analysis.

SV01	Katharine Abraham	Seats (Total: 24)
	Tu 9:00am - 11:40am	Location: TBA
	Meets at the Bureau of Labor Statistics in the BLS Conference Room 9 for the 1st day. Please check the class syllabus for the remainder of the semester locations as classrooms will vary.	

SURV672 **Introduction to the Federal Statistical System and the Survey Research Profession**

SURV672 Introduction to the Federal Statistical System and the Survey Research Profession; (1 credit) Grade Method: S-F.
Credit only granted for: (SURV670 and SURV671) or SURV672. Formerly: SURV670 and SURV671. The U.S. statistical system and its goals are reviewed. The federal statistical agencies are described, and their primary missions and data collections are examined. The statistical systems of other countries are compared with the U.S. system. Organizational and budgetary aspects are presented. Students will learn about organizations and groups outside of the Federal Statistical System that affect the actions of the System. These include other governmental units, professional associations, and advisory groups created by the agencies themselves. Students will review current laws regarding privacy and confidentiality affecting government agency work and consider a variety of ethical issues confronting government statisticians.

SV01	Brian Harris-Kojetin **Meets September 1, 2014 - December 12, 2014** Tu 5:45pm - 6:45pm *Meets in room 5040 at the Bureau of Labor Statistics in DC.*	Seats (Total: 10) Location: TBA

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Reading in Survey Methodology; (1-3 credits)** Grade Method: REG/AUD.

0101	Frederick Conrad Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Croninger Contact instructor or department for details.	Seats (Total: 10)
0301	James Lepkowski Contact instructor or department for details.	Seats (Total: 10)

SURV699X **Special Topics in Survey Methodology; Statistical Analysis with Missing Data**

SURV699X Special Topics in Survey Methodology: Statistical Analysis with Missing Data; (3 credits) Grade Method: REG/AUD.
Also offered as STAT818X. Credit granted for STAT818X or SURV699X. Click here for more course information.

0101	Daniel Bonnéry, Partha Lahiri M 9:30am - 12:00pm	Seats (Total: 10) LEF 1208
SV01	Partha Lahiri M 9:30am - 12:00pm *Class will meet at the Census Bureau, T10.*	Seats (Total: 10) Location: TBA

SURV701 **Analysis of Complex Sample Data**

SURV701 *(PermReq)* **Analysis of Complex Sample Data; (3 credits)** Grade Method: REG/AUD.
Prerequisite: SURV625. Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation. It runs concurrently with the University of Michigan course.

0101	Steven Heeringa **Meets September 4, 2014 - December 10, 2014** Th 12:30pm - 3:00pm	Seats (Total: 10) LEF 1218
SV01	Steven Heeringa **Meets September 4, 2014 - December 10, 2014** Th 12:30pm - 3:00pm *Class will meet at the Census Bureau, T10.*	Seats (Total: 10) Location: TBA

SURV720 **Total Survey Quality I**

SURV720 Total Survey Quality I; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV625. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723. Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented. It runs concurrently with the University of Michigan course.

0101	Brady West	Seats (Total: 20)
	Meets September 2, 2014 - December 10, 2014	
	Tu 4:40pm - 6:20pm	LEF 1208

SURV722 **Randomized/Nonrandomized Design**

SURV722 Randomized/Nonrandomized Design; (3 credits) Grade Method: REG/AUD.
Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc. Click Here More Information

0101	Sunghee Lee	Seats (Total: 20)
	Meets September 2, 2014 - December 12, 2014	
	F 11:00am - 1:30pm	LEF 1208

SURV745 **Practical Tools for Sampling and Weighting**

SURV745 Practical Tools for Sampling and Weighting; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV615, SURV616, and SURV625; or permission of instructor. Credit only granted for: SURV745 or SURV699E. Formerly: SURV699E. A statistical methods class appropriate for second year Master's students and PhD students. The course will be a combination of hands-on applications and general review of the theory behinddifferent approaches to sampling and weighting. Topics covered include sample size calculations using estimation targets based on relative standard error, margin of error, and power requirements. Use of mathematical programming to determine sample sizes needed to achieve estimation goals for a series of subgroups and analysis variables. Resources for designing area probability samples. Methods of sample allocation for multistage samples. Steps in weighting, including computation of base weights, non response adjustments, and uses of auxiliary data. Non response adjustment alternatives, including weighting cell adjustments, formation of cells using regression trees, and propensity score adjustments. Weighting via post stratification, raking, general regression estimation, and other types of calibration.

0101	Richard Valliant	Seats (Total: 20)
	Th 3:30pm - 6:10pm	LEF 1208

SURV746 **SURV 746 Advanced Statistical Modeling**

SURV746 SURV 746 Advanced Statistical Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV615 and SURV616; or permission of instructor. Credit only granted for: SURV746 or SURV699R. Formerly: SURV699R. Designed for students on both the social science and statistical tracks for the two programs in survey methodology, will provide students with exposure to applications of more advanced statistical modeling tools for both substantive and methodological investigations that are not fully covered in other MPSM or JPSM courses. Modeling techniques to be covered include multilevel modeling (with an application to methodological studies of interviewer effects), structural equation modeling (with an application of latent class models to methodological studies of measurement error), classification trees (with an application to prediction of response propensity), and alternative models for longitudinal data (with an application to panel survey data from the Health and Retirement Study). Discussions and examples of each modeling technique will be supplemented with methods for appropriately handling complex sample designs when fitting the models. The class will focus on practical applications and software rather than extensive theoretical discussions.

0101	Brady West	Seats (Total: 20)
	F 2:00pm - 4:30pm	LEF 1208

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Michael Elliott	Seats (Total: 5)
	Meets September 4, 2014 - December 10, 2014	
	Th 9:00am - 11:30am	LEF 1208

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Fall 2014

TDPS201 **Introduction to Technical Production**

TDPS201 *(PermReq)* **Introduction to Technical Production; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in a major within ARHU-Dance department; or must be in a major within ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114. Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

0101	Kelsey Hunt MW 4:00pm - 4:50pm F 3:30pm - 5:30pm	Seats (Total: 30) PAC 1815 PAC 1702	 Lab

TDPS458E **Special Topics in Advanced Performing Arts; Projection Design for Unconventional Environments**

TDPS458E *(PermReq)* **Special Topics in Advanced Performing Arts: Projection Design for Unconventional Environments; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS469 **Advanced Practicum in Stage Management**

TDPS469 *(PermReq)* **Advanced Practicum in Stage Management; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Cary Gillett Contact instructor or department for details.	Seats (Total: 8)

TDPS479 **Production Practicum**

TDPS479 *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

1001	Cate Barger Contact instructor or department for details.	Seats (Total: 25)
1002	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1003	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)

1006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
1007	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2001	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2002	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2003	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	

THET Theatre Fall 2014

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 25) JMZ 0220 EDU 0206	 Discussion
0102	Instructor: TBA MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 ASY 3215	 Discussion

0103	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EDU 3233	Discussion
0104	Korey Rothman MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PLS 1111	Discussion
0105	Instructor: TBA MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EDU 1121	Discussion
0201	Instructor: TBA MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 ASY 3219	Discussion
0202	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 HBK 0108	Discussion
0203	Instructor: TBA MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PLS 1111	Discussion
0204	Instructor: TBA MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0220 EDU 1121	Discussion
0205	Korey Rothman MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0220 PLS 1111	Discussion

THET116 **Fundamentals of Theatrical Design**

THET116 *(PermReq)* **Fundamentals of Theatrical Design; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; and must be in Theatre program; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Alberto Segarra, Kara Waala TuTh 3:30pm - 5:20pm	Seats (Total: 20) PAC 2733	

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: THET220 or THET222. Formerly: THET220. Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Robert Jansen TuTh 9:30am - 11:15am	Seats (Total: 16) PAC 3732	Lab
0201	Caroline Clay MW 10:00am - 11:50am	Seats (Total: 16) PAC 3732	Lab

THET223 **Text and Context in Western Theatre**

THET223 *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: (THET223 and THET113) or (THET223 and THET115). Formerly: THET113 and THET115. Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Laronika Thomas TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815	
0102	Emily Warheit TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1815	

THET250 **American Musical Theatre and Popular Culture**

THET250 American Musical Theatre and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: THET250 or THET350. Formerly: THET350. An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrels, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond.

0101	Erin Steele MW 9:00am - 10:15am	Seats (Total: 20) PAC 1815

THET269B **Special Topics in Study Abroad II; The Meaning of Style**
Contact department for information to register for this course.

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theatre**
Contact department for information to register for this course.

THET274 **Introduction to Stage Management**

THET274 *(PermReq)* **Introduction to Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Familiarization with the techniques and skills required of a Stage Manager in a theatrical production, including organization, production meetings, rehearsals, tech and running a show. The outcome at the conclusion of the course is the ability to function as an Assistant Stage Manager in a supervised situation.

0101	Instructor: TBA MW 3:00pm - 4:30pm	Seats (Total: 20) PAC 1924

THET284 **Stage Costume Construction I**

THET284 *(PermReq)* **Stage Costume Construction I; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

0101	Susan Chiang MW 9:00am - 11:50am	Seats (Total: 12) PAC 3749	Lab

THET285 **The Art of Communication and Presentation**

THET285 The Art of Communication and Presentation; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285. An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling. Restricted to New Freshman only.

0101	Sara Thompson TuTh 2:00pm - 3:50pm	Seats (Total: 25) PAC 3730
0102	Adam Sheaffer TuTh 2:00pm - 3:50pm	Seats (Total: 25) PAC 2740
FC01	Caroline Clay MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0123
FC02	Caroline Clay MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) WDS 0104
FC03	Caroline Clay TuTh 7:30pm - 8:45pm	Seats (Total: 25) JMZ 2120

THET286 **Experiential Learning I**

THET286 *(PermReq)* **Experiential Learning I; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department.
Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Susan Miller Contact instructor or department for details.	Seats (Total: 5)
0210	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0501	Esther Lee Contact instructor or department for details.	Seats (Total: 5)
0601	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)

1701	Helen Huang Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)	
1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	
2001	Faedra Carpenter Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)	
2003	Cary Gillett Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)	
2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)	
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	

THET290 **Race, Gender, and Ethnicity in American Theatre and Culture, 1750-1900**

THET290 Race, Gender, and Ethnicity in American Theatre and Culture, 1750-1900; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Since the first colonial encounter with the indigenous peoples of the Americas, complex issues of race, gender, and ethnic identity have shaped our collective efforts to engage, interact, and survive as a new nation. Our cities, our monuments, our homes, are all built on the bodies of the dead and our landscapes are haunted by those who left work unfinished the work of women's rights, religious freedom, racial tolerance, and many other compelling concerns of class, gender, and ethnic identity. This class explores how theatre engaged with these complex issues; it covers the period 1750-1900.

0101	Esther Lee MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) PAC 1815 PAC 1815	 Discussion
0102	Esther Lee MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) PAC 1815 PAC 1815	 Discussion

THET294 **Black Theatre and Performance II**

THET294 Black Theatre and Performance II; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Sophomore standing or higher.* Thematic and historical survey of African-American drama from the 1960s to the present. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.

0101	Scot Reese	Seats (Total: 20)	
	W 11:00am - 1:30pm	KNI 1103	

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Leigh Smiley	Seats (Total: 16)	
	MW 1:00pm - 2:50pm	PAC 3730	Lab

THET324 **Character Development**

THET324 *(PermReq)* **Character Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in THET310 and THET362; or permission of Instructor. And must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher. European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.

0101	Leslie Felbain	Seats (Total: 12)	
	TuTh 1:30pm - 3:20pm	PAC 3736	Lab

THET328L **Special Topics in Intermediate Theatre and Performance; Advanced Techniques in Lighting Design**

THET328L *(PermReq)* **Special Topics in Intermediate Theatre and Performance: Advanced Techniques in Lighting Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Max Doolittle	Seats (Total: 8)	
	M 3:30pm - 6:10pm	PAC 2727	Lab

THET330 **Play Directing I**

THET330 *(PermReq)* **Play Directing I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher.* A lecture-laboratory course dealing with the techniques of coordinating, designing and guiding the production of a script through to performance. Study and practice in stage composition, movement, pacing, script and character analysis, and rehearsal routines. Emphasis on methods of communicating a script to an audience.

0101	Scot Reese	Seats (Total: 10)	
	TuTh 10:00am - 11:50am	PAC 2740	

THET362 **Alexander Technique**

THET362 *(PermReq)* **Alexander Technique; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET116, THET223, and TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Recommended: Concurrently enroll in any THET 300-level Performance course. Credit only granted for: THET399J or THET362. Formerly: THET399J. Based on the F.M. Alexander Technique, students will learn to recognize habit patterns that interfere with how they function and express themselves so that they can make conscious choices as a performing artist.

0101	Leslie Felbain	Seats (Total: 16)	
	TuTh 9:30am - 11:20am	PAC 3736	

THET363 **The Business of the Business**

THET363 *(PermReq)* **The Business of the Business; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, THET222, THET223, and TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET399B or THET499E or THET363. Formerly: THET399B, THET499E. An in depth study of the business of working in the theatre. Explores early career opportunities and entry-level positions in the entertainment industry. Analyzes publicity, management, union, casting, and agency practices; how they apply to you and your career in the non-profit and commercial theatre.

0101	Mitchell Hebert	Seats (Total: 18)	
	F 9:00am - 11:50am	PAC 1809	Lab

THET369L **Special Topics in Study Abroad III; 20th Century and Contemporary Latin American Theatre Contact department for information to register for this course.**

THET371 **Scenic Design I**

THET371 *(PermReq)* **Scenic Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET223, and THET116; and (THET114; or TDPS201). Or permission of ARHU-School of Theatre, Dance & Performance Studies department. A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

0101	Mikhail Kachman	Seats (Total: 8)	
	MW 1:00pm - 2:50pm	PAC 2733	

THET373 **Rendering for the Theatre I**

THET373 *(PermReq)* **Rendering for the Theatre I; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.

0101	Helen Huang	Seats (Total: 8)	
	MW 10:00am - 11:50am	PAC 2755	Lab

THET377 **Lighting Design I**

THET377 *(PermReq)* **Lighting Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department. A study of the theories of electrification, instruments, design, color, and control for the stage. Practical work on productions.

0101	Brittany Shemuga	Seats (Total: 10)	
	MW 3:00pm - 4:50pm	PAC 2733	Lab

THET386 **Experiential Learning**
Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET399D **Independent Study; Media Design**

THET399D *(PermReq)* **Independent Study: Media Design; (3 credits)** Grade Method: REG/P-F/AUD.
Permission from ARHU-School of Theatre, Dance & Performance Studies department required.

0101	Jared Mezzocchi	Seats (Total: 8)	
	TuTh 11:00am - 12:45pm	PAC 2727	Lab

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399W **Independent Study; The London Stage**
Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET408E **Seminar: Theory and Performance Studies; Ethnography and Performance**

THET408E *(PermReq)* **Seminar: Theory and Performance Studies: Ethnography and Performance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Laurie Frederik Meer	Seats (Total: 5)	
	Th 2:00pm - 4:45pm	PAC 2515C	

THET408R **Seminar: Theory and Performance Studies; Call and Response: Adaptation and Intertexuality in Contemporary Performance**

THET408R Seminar: Theory and Performance Studies: Call and Response: Adaptation and Intertexuality in Contemporary Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Ball	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	PAC 1815	

THET425 **Actor's Process II**

THET425 *(PermReq)* **Actor's Process II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET325; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department.* A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

0101	Mitchell Hebert MW 10:00am - 11:50am	Seats (Total: 12) PAC 3736	 Lab

THET429 **Actor's Studio**
Contact department for information to register for this course.

THET465 **History of Fashion for the Theatre**

THET465 *(PermReq)* **History of Fashion for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116; or permission of instructor. Restriction: Sophomore standing or higher. A survey of Western clothing from the Ancient Worlds through 20th Century. A discussion of the cultural contexts of various trends in fashion through an examination of art, industry and textiles.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 2733

THET472 **Scene Painting**

THET472 *(PermReq)* **Scene Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.

0101	Ann Chismar F 10:00am - 1:50pm	Seats (Total: 7) PAC 1702

THET477 **Design Studio in Lighting**

THET477 *(PermReq)* **Design Studio in Lighting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance Performance Studies department. Also offered as: THET659. Cre granted for: THET477 or THET659. Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.

0101	Brian MacDevitt	Seats (Total: 6)	
	MW 3:00pm - 4:50pm	PAC 2755	Lab

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and THET116; and permission of ARHU-Theatre department. Restriction: Sophomore standing or higher. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Paige Hathaway	Seats (Total: 8)	
	MW 1:00pm - 2:50pm	PAC 2727	Lab

THET488A **Special Topics in Theatre History Before 1800; Theatre Architecture from the Minoans to the Baroque**

THET488A Special Topics in Theatre History Before 1800: Theatre Architecture from the Minoans to the Baroque; (3 credits) Grade Method: REG/P-F/AUD.
Also offered THET698A.

0101	Franklin Hildy	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 1815	

THET497 **Non-Traditional Theatre**

THET497 Non-Traditional Theatre; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Seminar exploring American and European experimental performance since 1960. Topics include experimental theatre, performance art, pornography and performance, gender and performance, and popular culture and performance. Topics are treated historically and theoretically. Student-produced performance projects are an important component of the seminar.

0101	James Harding	Seats (Total: 25)	
	TuTh 2:00pm - 3:45pm	PAC 1815	

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Esther Lee Contact instructor or department for details.	Seats (Total: 5)
0601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0701	Jennifer Barclay Newsham Contact instructor or department for details.	Seats (Total: 5)
0801	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1101	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1401	Jared Mezzocchi Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)

1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)
2007	Jared Mezzocchi Contact instructor or department for details.	Seats (Total: 5)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET499B **Independent Study; FIGURE DRAWING**

THET499B *(PermReq)* **Independent Study: FIGURE DRAWING; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Instructor: TBA F 9:00am - 11:50am	Seats (Total: 10) PAC 2740

THET600 **Introduction to Graduate Research Methods**

THET600 *(PermReq)* **Introduction to Graduate Research Methods; (3 credits)** Grade Method: REG/AUD.
Also offered as: THET700. Credit only granted for: THET600 or THET700. A research and bibliography course with special emphasis on research in theatre. Required of all M.A. and M.F.A. students.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET606 **Teaching Theatre**

THET606 Teaching Theatre; (1 credit) Grade Method: REG/AUD.
Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Faedra Carpenter Tu 2:00pm - 2:50pm	Seats (Total: 10) PAC 1809

THET614 **Ethnography and Performance**

THET614 Ethnography and Performance; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH688O, THET608E, or THET614. Formerly: THET608E.
Different types of cultural and artistic preformance around the world (theatre, music, dance, sport, festival) are examined. Students learn 1) how various types of live performance are studied ethnographically; 2) what thick description reveals and how it adds to the analysis of performance; and 3) methods for conducting an ethnographic study of performance. Also offered as ANTH688O. Credit will be granted for ANTH688O or THET614.

0101	Laurie Frederik Meer Th 2:00pm - 4:45pm	Seats (Total: 10) PAC 2515C

THET639 **Advanced Design Studio in Scenery**

THET639 *(PermReq)* **Advanced Design Studio in Scenery; (3 credits)** Grade Method: REG/AUD.

0101	Daniel Conway MW 9:00am - 10:50am	Seats (Total: 6) PAC 2734
0102	Daniel Conway TuTh 9:00am - 10:50am	Seats (Total: 8) PAC 2727

THET649 **Advanced Design Studio in Costume**

THET649 Advanced Design Studio in Costume; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang MW 1:00pm - 2:40pm	Seats (Total: 12) PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt F 3:00pm - 6:00pm	Seats (Total: 6) PAC 2755
0102	Brian MacDevitt MW 3:00pm - 4:50pm	Seats (Total: 4) PAC 2755

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669A **Independent Study; History of Fashion for the Theatre**

THET669A Independent Study: History of Fashion for the Theatre; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 2733

THET669F **Independent Study; Figure Drawing**

THET669F *(PermReq)* **Independent Study: Figure Drawing; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Instructor: TBA F 9:00am - 11:50am	Seats (Total: 10) PAC 2740

THET685 **History of Theatrical Theory Before Modernism**

THET685 History of Theatrical Theory Before Modernism; (3 credits) Grade Method: REG.
Recommended: THET600. Theories of drama (written script) and theatre (performance) from fifth-century B.C. Greece through nineteenth-century romanticism.

0101	James Harding	Seats (Total: 12)
	W 4:00pm - 6:30pm	PAC 1809

THET698A **Seminar: Theatre History; Theatre Architecture from the Minoans to the Baroque**

THET698A *(PermReq)* **Seminar: Theatre History: Theatre Architecture from the Minoans to the Baroque; (3 credits)** Grade Method: REG/AUD.
Also offered as THET488A.

0101	Franklin Hildy	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PAC 1815

THET700 **Introduction to Doctoral Studies in Theatre**

THET700 *(PermReq)* **Introduction to Doctoral Studies in Theatre; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must be admitted to the Ph.D. program in Theatre. Also offered as: THET600. Credit only granted for: THET600 or THET700. Basic skills in theatre research.

0101	Franklin Hildy	Seats (Total: 12)
	M 4:00pm - 6:35pm	PAC 2515C

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TLPL Teaching and Learning, Policy and Leadership — Fall 2014

TLPL101 **Inquiry Teaching of STEM in Elementary School**

TLPL101 Inquiry Teaching of STEM in Elementary School; (1 credit) Grade Method: REG.
Exploration of teaching science or mathematics as a career. Discussions include standards-based lesson design and various teaching strategies. Fieldwork consists of planning and teaching inquiry-based lessons to students in grades three to six in local elementary schools.

0101	Catherine VanNetta M 4:00pm - 5:50pm	Seats (Total: 20) PHY 1108
0201	Catherine VanNetta Th 4:00pm - 5:50pm	Seats (Total: 20) PHY 1108

TOXI Toxicology — Fall 2014

TOXI609 **Methods in Toxicology**

TOXI609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD.

0101	Judd Nelson Contact instructor or department for details.	Seats (Total: 5)

UMEI Maryland English Institute — Fall 2014

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, i is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 *(PermReq)* **English as a Foreign Language: Beginning; (12 credits)**

Grade Method: S-F.

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Annelies Galletta, Glenn Knapp	Seats (Total: 20)
	Meets September 4, 2014 - December 11, 2014	
	MWF 9:00am - 11:50am	SQH 1117
	TuTh 9:00am - 11:50am	BPS 1234
	MWF 1:00pm - 2:50pm	KNI 1105
	TuTh 1:00pm - 2:50pm	CHE 2145

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)**

Grade Method: S-F.

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos, Caralyn Bushey **Meets September 4, 2014 - December 11, 2014** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) COL 3110 COL 3110

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 *(PermReq)* **English as a Foreign Language: Intermediate II; (12 credits)**
Grade Method: S-F.
Restriction: Permission of EDUC-Dean-Maryland English Institute department.
Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Instructor: TBA **Meets September 4, 2014 - December 11, 2014** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) COL 0102 ARM 0118
0201	Instructor: TBA **Meets September 4, 2014 - December 11, 2014** MWF 9:00am - 11:50am TuTh 9:00am - 11:50am MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 20) CSS 0201 LEF 1221 COL 0102 COL 0102

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)**
Grade Method: S-F.
Restriction: Permission of EDUC-Dean-Maryland English Institute department.
Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Melanie Baker, Eric Walker	Seats (Total: 20)
	Meets September 4, 2014 - December 11, 2014	
	MTuWThF 9:00am - 11:50am	WDS 1131
	MWF 1:00pm - 2:50pm	CHM 0124
	TuTh 1:00pm - 2:50pm	CSI 2107
0201	Jonathan Malone	Seats (Total: 20)
	Meets September 4, 2014 - December 11, 2014	
	MWF 9:00am - 11:50am	COL 0113
	TuTh 9:00am - 11:50am	COL 0100
	MWF 1:00pm - 2:50pm	CHM 0122
	TuTh 1:00pm - 2:50pm	COL 0100
0301	Daniel Ball, Glenn Knapp	Seats (Total: 20)
	Meets September 4, 2014 - December 11, 2014	
	MTuWThF 9:00am - 11:50am	COL 3109
	MTuWThF 1:00pm - 2:50pm	COL 3109

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Charles Duquette MTuWThF 9:00am - 10:50am *This section is restricted to Graduate Students.*	Seats (Total: 18) ANS 0402
0201	Karen Krahling-Haddad MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 18) KEY 0125 ARM 0101
0301	Raymond Smith MTuWThF 9:00am - 10:50am	Seats (Total: 18) ARM 0118
0401	Marilena Draganescu MWF 12:00pm - 1:50pm TuTh 12:00pm - 1:50pm	Seats (Total: 18) PHY 1204 EGR 3111
0501	Karen Krahling-Haddad MTuWTh 4:00pm - 6:15pm	Seats (Total: 18) ARM 0103

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F. *Restriction: Must have graduate standing; and permission of EDUC-Dean-Maryland English Institute department.* Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould MW 12:00pm - 1:30pm	Seats (Total: 16) HBK 0103

0201	Marilena Draganescu TuTh 9:00am - 10:30am	Seats (Total: 16) JMZ 2207

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Restriction: Must have graduate standing. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan. Restriction: Must have graduate standing.

0101	Eric Walker MW 9:00am - 10:50am	Seats (Total: 16) ARM 0103
0201	Nasreen Abbas MW 6:00pm - 7:50pm	Seats (Total: 16) WDS 1127
0301	Susan Gould TuTh 1:00pm - 2:50pm	Seats (Total: 16) JMZ 1226
0401	Nasreen Abbas MW 3:00pm - 4:50pm	Seats (Total: 16) ARM 0120
0501	Eric Walker TuTh 9:00am - 10:50am	Seats (Total: 16) VMH 1314
0601	Nasreen Abbas TuTh 3:30pm - 5:20pm	Seats (Total: 12) ARC 1121

UMEI008 **Advanced Oral Communication Skills**

UMEI008 *(PermReq)* **Advanced Oral Communication Skills; (2 credits)** Grade Method: S-F.

Restriction: Must have graduate standing.

0101	Susan Gould MW 3:00pm - 5:00pm	Seats (Total: 20) COL 3112

UNIV University Courses Fall 2014

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F.

0101	Caitlin Rizzo, Erica Ely Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0201	Samantha Durdock M 1:00pm - 2:50pm *BSOS majors only.*	Seats (Total: 20) EGR 1110
0202	Christopher Boyle Tu 10:00am - 11:50am *BSOS majors only.*	Seats (Total: 20) LEF 1222
0203	Kimberly Bethke Th 3:00pm - 4:50pm *BSOS majors only.*	Seats (Total: 20) PLS 1115
0204	Christie Cradock Tu 10:00am - 11:50am *BSOS majors only.*	Seats (Total: 20) ARM 0105
0205	Bailey Kier, Maya Aduba W 3:00pm - 4:50pm *BSOS majors only.*	Seats (Total: 20) BPS 1234
0206	Instructor: TBA Th 10:00am - 11:50am *BSOS majors only.*	Seats (Total: 20) LEF 1222

0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:50pm *BSOS majors only.*	Seats (Total: 20) KEY 0117
0208	TC Lloyd M 3:00pm - 4:50pm *BSOS majors only.*	Seats (Total: 20) PLS 1115
0305	Christopher Lester W 6:00pm - 7:50pm *Restricted to OMSE - College Success Scholars. Class will meet in Room Nonprint Media - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0306	Christopher Lester W 6:00pm - 7:50pm *OMSE- College Success Scholars. Class will meet in Room H Nonprint Medi - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0307	Christopher Lester W 6:00pm - 7:50pm *OMSE-College Success Scholars. Class will meet in Room H Nonprint Media - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0601	LaWanda Kamalidiin W 2:00pm - 3:50pm *Restricted to Engineering Bridge Program Participants.*	Seats (Total: 20) EGR 3102
0604	Nicholas Richardson Th 3:00pm - 4:50pm *For Freshman Engineering Students only.*	Seats (Total: 20) EGR 1110
0701	Instructor: TBA W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1176
0702	Olive Reid W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) KNI 1206

0801	Thomas Steen **Meets September 8, 2014 - November 21, 2014** M 2:00pm - 3:50pm	Seats (Total: 20) PLS 1164
	Restricted to First Semester Letters and Sciences Students.	
0802	Nancy Canales **Meets September 8, 2014 - November 21, 2014** Tu 2:00pm - 3:50pm	Seats (Total: 20) TYD 2108
	Restricted to First Semester Letters and Sciences students.	
0803	Aaron Brown **Meets September 8, 2014 - November 21, 2014** M 3:30pm - 5:20pm	Seats (Total: 20) OAK 0318
	For first semester Letters and Sciences students who are in the Carillon Write Now community. Part of the Carillon Communities Living Learning program.	
0804	Gregory Shaffer **Meets September 8, 2014 - November 21, 2014** M 12:00pm - 1:50pm	Seats (Total: 20) PLS 1115
	Restricted to First Semester Letters and Sciences Students interested in Pre-law.	
0805	Ann Smith **Meets September 8, 2014 - November 21, 2014** M 3:30pm - 5:20pm	Seats (Total: 20) OAK 0311
	For first semester Letters and Sciences students who are in the Carillon Once & Future Planet community. Part of the Carillon Communities Living Learning program.	
0806	Edward Bempong **Meets September 8, 2014 - November 21, 2014** W 3:30pm - 5:20pm	Seats (Total: 20) OAK 0318
	Restricted to First Semester Letters and Science Students. who are living on campus and not already part of a living/learning community.	

0807	Maren Voss **Meets September 8, 2014 - November 21, 2014** Tu 11:00am - 12:50pm	Seats (Total: 20) KEY 0119
	For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.	
0808	Monique Brown **Meets September 8, 2014 - November 21, 2014** Tu 2:00pm - 3:50pm	Seats (Total: 20) SPH 0301
	For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.	
0809	Lisa Scheeler **Meets September 8, 2014 - November 21, 2014** Th 3:30pm - 5:20pm	Seats (Total: 20) OAK 0311
	For first semester Letters and Sciences students who are in the Carillon iGIVE community. Part of the Carillon Communities Living Learning program.	
0811	Cornelia Cody **Meets September 8, 2014 - November 21, 2014** M 3:30pm - 5:20pm	Seats (Total: 20) OAK 0315
	For first semester Letters and Sciences students who are in the Carillon Once & Future Planet community. Part of the Carillon Communities Living Learning program.	
0812	Kaye Guidugli **Meets September 8, 2014 - November 21, 2014** Tu 12:30pm - 2:20pm	Seats (Total: 20) JMZ 1124
	For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.	

0814	Melissa Del Rios **Meets September 8, 2014 - November 21, 2014** Th 3:30pm - 5:20pm *For first semester Letters and Sciences students who are in the Carillon iGIVE community. Part of the Carillon Communities Living Learning program.*	Seats (Total: 20) OAK 0315
0815	Instructor: TBA **Meets September 8, 2014 - November 21, 2014** W 9:00am - 10:50am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EDU 3233
0820	Julie Sass **Meets September 8, 2014 - November 21, 2014** Th 12:30pm - 2:20pm *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) HBK 0123
0822	Kaye Guidugli **Meets September 8, 2014 - November 21, 2014** Th 9:30am - 11:20am *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) PLS 1164
0823	Ashley Adkins **Meets September 8, 2014 - November 21, 2014** Th 3:30pm - 5:20pm *For first semester Letters and Sciences students who are in the Carillon iGIVE community. Part of the Carillon Communities Living Learning program.*	Seats (Total: 20) OAK 0318

0825	Yali Pan, Katrina Knudsen **Meets September 8, 2014 - November 21, 2014** Th 9:30am - 11:20am	Seats (Total: 20) HBK 0103
	Restricted to First SemesterInternational students in Letters and Sciences students.	
0841	Emily Foley **Meets September 8, 2014 - November 21, 2014** M 3:30pm - 5:20pm	Seats (Total: 20) JMZ 3205
	Restricted to first semester Letters and Sciences students.	
0845	Jeffrey Kodis **Meets September 8, 2014 - November 21, 2014** Tu 11:00am - 12:50pm	Seats (Total: 20) PLS 1119
	Restricted to First Semester Letters and Sciences Students.	
0850	Lisa Scheeler **Meets September 8, 2014 - November 21, 2014** W 1:00pm - 2:50pm	Seats (Total: 20) PLS 1164
	For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.	
0851	Noah Jacobs **Meets September 8, 2014 - November 21, 2014** M 1:00pm - 2:50pm	Seats (Total: 20) ASY 3217
	For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.	
0852	Miki Brooks **Meets September 8, 2014 - November 21, 2014** W 3:00pm - 4:50pm	Seats (Total: 20) PLS 1162
	For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.	

0854	Iceney Williams **Meets September 8, 2014 - November 21, 2014** M 2:00pm - 3:50pm *For first semester Letters and Sciences students interested in business. Part of the Business Exploration Series.*	Seats (Total: 20) HBK 0103
0857	Steve Leonard **Meets September 8, 2014 - November 21, 2014** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1146
0858	Melissa Hyre **Meets September 8, 2014 - November 21, 2014** W 2:00pm - 3:50pm *For first semester Letters and Sciences students interested in business Part of the Business Exploration Series.*	Seats (Total: 20) HBK 0103
0901	Donna Hammer, Thomas Gleason M 2:00pm - 3:50pm *Restricted to Physics majors.*	Seats (Total: 20) MTH 0104
0902	Brandon Ng M 3:00pm - 4:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) JMZ 0208
0903	Alicia Thomas Tu 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1168
0904	Catherine Sanders Th 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) ARM 0105
0905	Cecilia Jordan Tu 11:00am - 12:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) COL 0113

0906	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) JMP 2202
0912	Gerry Strumpf W 12:00pm - 1:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 15) COL 1102
0915	Francisca Saavedra M 1:00pm - 2:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1111
0916	Sarah Gordon Tu 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) CSS 0201
0918	Eden Garosi W 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1158
0919	Monet Flowers, Lisa Bradley-Klemko Th 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1168
0920	Jessica Wilke Th 9:00am - 10:50am *Restricted to students in College Park Scholars program.*	Seats (Total: 20) CCC 1200
0925	Justin Nero W 1:00pm - 2:30pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) CHE 2116
1101	Michael Brick Tu 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 12) ARC 1127
1102	Michael Brick Th 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 12) ARC 1127

1201	Zackary Hull F 11:00am - 12:15pm *Restricted to students in the School of Public Health.*	Seats (Total: 25) SPH 0305
1202	Jaime Oliver Tu 9:30am - 10:45am *Restricted to students in the School of Public Health.*	Seats (Total: 25) SPH 0301
1203	Polly Sebastian Schurer Th 9:30am - 10:45am *Restricted to students in the School of Public Health.*	Seats (Total: 25) SPH 0301
1204	Ron Padron Th 2:00pm - 3:15pm *Restricted to students in the School of Public Health.*	Seats (Total: 25) SPH 0301
1302	Edward Bempong Tu 3:15pm - 5:05pm *Held in the Easton Classroom. Open to all Denton Community residents (Easton, Elkton and Denton Halls) as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for more information.*	Seats (Total: 20) Location: TBA
1501	Evelyn Cooper Th 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) MTH B0431
1502	Angela Mazur-Gray W 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) JMZ 3205
1503	Tim Lapanne M 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) PLS 1162
FC01	Natalie Gaudette M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TYD 2110

FC02	Lori Kader Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EDU 0206
FC03	Erin Iverson F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EGR 3114
FC04	Siemy Khan F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0103
FC05	Victoria Shay W 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1172
FC06	J Greene W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TYD 2110
FC07	Glenn Smith Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TYD 1114
FC08	Natasha Criss Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CHE 2136
FC09	Lori Kader F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1113
FC10	Tanesha Leathers F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TYD 2110
FC11	Zimri Diaz F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 1112

FC12	Steven Young M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1146
FC13	Thomas Steen M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 1112
FC14	Nicholas Richardson Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EDU 3315
FC15	Meghan DeFord F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EGR 2116
FC16	Tim Lapanne F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CSS 2416
FC17	Heather Arianna Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARM 0101
FC18	Megan Cleaver M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3215
FC19	Steven Young F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1111
FC20	Tamara Fuller Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0103
FC21	Charles Kassir Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARM 0119

FC22	Erin Iverson Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1111
FC23	Rosalyn Anderson-Howell Th 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1115
FC24	Lauren Norris Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARM 0116
FC25	Sharon Vanwright F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1119
FC26	Jaime Oliver Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) BPS 1228
FC27	TC Lloyd W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3221
FC28	Tracy Kennedy F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1117
FC29	Joel Solorzano Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EDU 0202
FC30	Denise McHugh Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1115
FC31	Veronica Perrigan F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CSI 2107

FC32	Eric Johnson Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 1112
FC33	LaWanda Kamalidiin Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) WDS 1114
FC34	Natalie Taylor Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARM 0105
FC35	Candace Daniels F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EGR 3114
FC36	Edward Bempong M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 1112
FC37	Victoria Shay W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1172
FC38	Ashlei Tobin-Robertson Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PHY 1204
FC39	Erwin Hesse F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3207
FC40	Kevin McGann W 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KNI 1105
FC41	Cori Carfagno Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEB 1200

UNIV100Q **The Student in the University**

UNIV100Q The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Lauren Norris	Seats (Total: 20)
	W 9:00am - 10:50am	COL 1102

UNIV100V **The Student in the University**

UNIV100V The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Tasha Vanterpool	Seats (Total: 25)
	M 3:30pm - 5:30pm	JMZ 0118
	This section is reserved for VETERANS ONLY. DD214 required for verification.	

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Lori DeBoy	Seats (Total: 25)
	W 1:00pm - 2:40pm	PAC 3168
	This section is restricted to freshman and first-year transfer students majoring in music, dance or theatre.	

0107	Stefania Amodeo M 2:00pm - 3:40pm *Restricted to Foreign Language majors.*	Seats (Total: 20) JMZ 1103
0109	Jacqueline Kautzer Tu 4:00pm - 5:40pm *Restricted to English majors.*	Seats (Total: 20) TWS 3248
0110	Julie Taddeo Tu 1:00pm - 2:40pm *Restricted to History majors.*	Seats (Total: 20) KEY 0125
0112	Carlin Bokal W 3:00pm - 4:40pm *Restricted to Communication majors.*	Seats (Total: 20) KEY 0120
0114	Paula Nadler M 12:00pm - 1:40pm *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 24) TLF 1103
0502	Jennifer Froh Tu 2:00pm - 3:45pm *Restricted to students in the College of Education.*	Seats (Total: 20) Location: TBA
0910	Amy Alexander M 2:00pm - 3:50pm *Restricted to CMNS majors.*	Seats (Total: 20) PLS 1117

UNIV104 **STEP: Reading and Writing at the College Level**

UNIV104 *(PermReq)* **STEP: Reading and Writing at the College Level; (1 credit)**
Grade Method: REG/P-F.
Restriction: Must be in STEP Individual Admits program. A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0201	Peter Grybauskas M 10:00am - 10:50am	Seats (Total: 15) ASY 3207

0301	Peter Grybauskas F 10:00am - 10:50am	Seats (Total: 15) ARC 1127

UNIV150 **Innovation & Research Foundations**

UNIV150 Innovation & Research Foundations; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice.
Promotes research-readiness and productive capacity through the development of skill-sets in working with primary literature, collaborative proposal authorship and scholarly communication. Students will engage a central course theme in the development of novel business, research and policy proposals.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 30) SQH 2117
	This course is restricted to first-semester freshman and transfer stude ts who intend to participate in the FIRE program. The FIRE program is limited to students NOT enrolled in the Honors College or College Park Scholars or other living-learning communities (Civicus, Global Communiti es, Carillon Communities).	
0201	Instructor: TBA MW 12:30pm - 1:45pm	Seats (Total: 30) WDS 0104
	This course is restricted to first-semester freshman and transfer stude ts who intend to participate in the FIRE program. The FIRE program is limited to students NOT enrolled in the Honors College or College Park Scholars or other living-learning communities (Civicus, Global Communiti es, Carillon Communities).	
0301	Margaret Smith TuTh 11:00am - 12:15pm	Seats (Total: 35) PLS 1117
	This course is restricted to first-semester freshman and transfer stude ts who intend to participate in the FIRE program. The FIRE program is limited to students NOT enrolled in the Honors College or College Park Scholars or other living-learning communities (Civicus, Global Communiti es, Carillon Communities).	
0401	Shabnam Jabeen TuTh 12:30pm - 1:45pm	Seats (Total: 35) CCC 1111
	This course is restricted to first-semester freshman and transfer stude ts who intend to participate in the FIRE program. The FIRE program is limited to students NOT enrolled in the Honors College or College Park Scholars or other living-learning communities (Civicus, Global Communiti es, Carillon Communities).	

0501	Jennifer German TuTh 2:00pm - 3:15pm	Seats (Total: 35) ASY 3211
	This course is restricted to first-semester freshman and transfer stude ts who intend to participate in the FIRE program. The FIRE program is limited to students NOT enrolled in the Honors College or College Park Scholars or other living-learning communities (Civicus, Global Communiti es, Carillon Communities).	
FC01	Instructor: TBA MW 6:00pm - 7:15pm	Seats (Total: 30) SYM 0215
	Restricted to students in Freshmen Connection.	

UNIV269 **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures; Cultural Realities of Spain**
Contact department for information to register for this course.

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.
Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship. Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

0101	James Riker Tu 3:30pm - 6:00pm	Seats (Total: 40) SCC 1102
0201	James Riker W 3:30pm - 6:00pm	Seats (Total: 40) SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0201	Meredith Collier	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

UNIV348E **Federal Semester Seminar; Energy and Environmental Policy**

UNIV348E *(PermReq)* **Federal Semester Seminar: Energy and Environmental Policy; (3 credits)** Grade Method: REG.
Restriction: Must be in the Federal Semester Program. Permission to enroll required. This course will explore issues of environmental sustainability through an investigation of federal policymaking in energy, climate change, and sustainable development. Students will examine efforts of the U.S. government to respond to linked challenges of increasing energy demand, climate change, growing population, and poverty alleviation. Click here for more course information.

0101	Ed Fendley, Thomas Carter	Seats (Total: 25)
	Th 3:30pm - 6:00pm	PLS 1117

UNIV348T **Federal Semester Seminar; Federal Homeland Security Policy**

UNIV348T *(PermReq)* **Federal Semester Seminar: Federal Homeland Security Policy; (3 credits)** Grade Method: REG.
Restriction: Must be in the Federal Semester Program. Permission to enroll required. This course will examine the concept of U.S. homeland and national security, threats, and major vulnerabilities in the context of recent history. Click here for more course information.

0101	Magdalena Bajll	Seats (Total: 25)
	M 7:00pm - 10:00pm	PLS 1119

UNIV378 **Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Beyond Classroom Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	James Riker	Seats (Total: 15)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A *(PermReq)* **Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Curtis Burrell	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389B **Special Topics in Undergraduate Studies; Responses to Global Challenges: A Practitioner's Perspective**

UNIV389B *(PermReq)* **Special Topics in Undergraduate Studies: Responses to Global Challenges: A Practitioner's Perspective; (3 credits)** Grade Method: REG. Restriction: Must be in the Global Semester in Washington, D.C. Program. Permission to enroll required. The course will examine global issues and responses primarily from the perspective of the practitioner. The focus will be on social, humanitarian, and human rights issues set in different global contexts. Click here for more course information.

0101	Rhoda Margesson	Seats (Total: 25)
	W 6:00pm - 9:00pm	SQH 1103

UNIV389C **Special Topics in Undergraduate Studies; U.S. Diplomacy and Public Policymaking**

UNIV389C *(PermReq)* **Special Topics in Undergraduate Studies: U.S. Diplomacy and Public Policymaking; (3 credits)** Grade Method: REG.
Restriction: Must be in the Global Semester in Washington, D.C. Program. Permission to enroll required. The course will examine questions in the practice of contemporary diplomacy and policymaking from the perspective of the United States. Guest lecturers drawn from Washington policymaking and foreign service communities will visit class and participate in discussion. Click here for more course information.

0101	Instructor: TBA	Seats (Total: 23)
	Th 6:00pm - 9:00pm	PLS 1172

UNIV389F **Special Topics in Undergraduate Studies; Science Diplomacy: Foreign Policy and Science, Technology and Innovation**

UNIV389F *(PermReq)* **Special Topics in Undergraduate Studies: Science Diplomacy: Foreign Policy and Science, Technology and Innovation; (3 credits)** Grade Method: REG.

Science Diplomacy requires enhanced linkages between our scientific and technological communities and our foreign policy makers to help ensure that our policies are technically sound, programmatically viable and politically feasible. This seminar will examine the growing nexus between foreign policy and science, technology, & innovation with specific sectoral assessments to include climate change and energy, public health, space and innovation, and economic development. Students must be in the Global Semester in Washington, D.C. Program to enroll. Click here for more details.

0101	Jonathan Margolis, Griffin Thompson W 5:00pm - 8:00pm	Seats (Total: 25) SQH 1101

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

UNIV389J *(PermReq)* **Special Topics in Undergraduate Studies: Federal Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: Permission of instructor.

0101	Starsky Cheng, Joan Burton Contact instructor or department for details.	Seats (Total: 25)
0201	Joan Burton Contact instructor or department for details.	Seats (Total: 25)

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: UNIV325 and UNIV326.

0101	James Riker Contact instructor or department for details.	Seats (Total: 20)

UNIV399 **Experiential Learning in Undergraduate Studies**

UNIV399 Experiential Learning in Undergraduate Studies; (1 credit) Grade Method: REG.

0101	Douglas Roberts	Seats (Total: 1)
	Contact instructor or department for details.	

UNIV399C **Experiential Learning in Undergraduate Studies; Ensuring a World Fit for Children? Rethinking Our Civic Responsibilities**

UNIV399C Experiential Learning in Undergraduate Studies: Ensuring a World Fit for Children? Rethinking Our Civic Responsibilities; (1-3 credits) Grade Method: REG/P-F/AUD.

Students will explore the status of children (i.e., standards of living) and the key challenges (i.e., education, health, homelessness, poverty, war and conflict) they face in around the world the 21st Century. What prospects do children born today face and what is required to ensure a world fit for children? What is the civic responsibility of citizens, government and society to address these challenges and improve the opportunities for all children? How can the international community strengthen its commitment to children's welfare, well-being, and life opportunities around the world? The seminar will highlight promising strategies for improving children's well-being in the United States, Europe, the Middle East and the developing world. The seminar will draw directly on the perspectives of leading nonprofit and civil society leaders through formal presentations and documentary films to identify possible policies and practices that will ensure a world fit for children.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV399X **Experiential Learning in Undergraduate Studies; Beyond Study Abroad: Global Citizenship, Citizen Diplomacy and Cultural Exchange for Social Change**

UNIV399X Experiential Learning in Undergraduate Studies: Beyond Study Abroad: Global Citizenship, Citizen Diplomacy and Cultural Exchange for Social Change; (1-3 credits) Grade Method: REG/P-F/AUD.

Students often hear about the benefits of study abroad and the importance of becoming a "global citizen" and serving as a "citizen diplomat" in order to contribute positively to 21st Century society-- but what does global citizenship look like, how does study abroad contribute to it, and who is excluded from traditional models of citizen diplomacy and global citizenship development? This seminar-- which is open to students of all majors, regardless of prior study abroad experience-- examines how global citizenship is developed through study abroad and other forms of cultural exchange, and considers the relationship between developing students' global citizenship and students' power to effect positive social change.

0101	Meredith Collier	Seats (Total: 25)	
	W 6:30pm - 8:30pm	SCC 1102	

URSP Urban Studies and Planning Fall 2014

URSP250 **The Sustainable City: Exploring Opportunities and Challanges**

URSP250 The Sustainable City: Exploring Opportunities and Challanges; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.

0101	James Cohen	Seats (Total: 22)	
	M 9:30am - 10:45am W 9:30am - 10:45am	TWS 1100 ARC 1101	Discussion
0102	James Cohen	Seats (Total: 21)	
	M 9:30am - 10:45am W 9:30am - 10:45am	TWS 1100 ARC 1121	Discussion

0103	Instructor: TBA M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 22) TWS 1100 ARC 1105	 Discussion

URSP372 **Diversity and the City**

URSP372 Diversity and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. Exploration of the different needs of diverse economic, racial/ethnic, and gender groups that live and work in cities, the historical background of differences, the impact of societal structures and group cultures, and how public and private policies do and can affect different groups.

0101	Willow Lung Amam MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0205

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly: URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Alexander Chen Th 4:00pm - 6:30pm	Seats (Total: 19) ARC 1125

URSP601 **Research Methods**

URSP601 *(PermReq)* **Research Methods; (3 credits)** Grade Method: REG/AUD. *Recommended: URSP600; and an undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Casey Dawkins W 4:00pm - 6:30pm	Seats (Total: 15) ARC 0111

URSP604 **The Planning Process**

URSP604 The Planning Process; (3 credits) Grade Method: REG.
Credit only granted for: URSP604, URBS656, or URBS604. Formerly: URBS604. Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations.

0101	Julia Koster M 4:00pm - 6:45pm	Seats (Total: 20) SQH 1119

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD.
Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	James Cohen M 7:00pm - 9:35pm	Seats (Total: 28) EDU 1107

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	Marie Howland Tu 4:00pm - 6:30pm	Seats (Total: 15) ARC 1125

URSP688L **Recent Developments in Urban Studies; Planning Technology**

URSP688L Recent Developments in Urban Studies: Planning Technology; (3 credits) Grade Method: REG/AUD.

An introduction to technologies that are vital for contemporary planners. With a strong emphasis on practical skills, the course will provide students with fundamental concepts, hands-on experience and real-world applications of such urban planning technologies as web publishing and tools, search engine optimization, blogs, Twitter and social networking, Geographic Information Systems (GIS), data visualization, 3D modeling, mash-ups, digital design tools, web surveys, photo/video sharing (web/video conferencing), and crowdsourcing

0101	Chao Liu W 7:00pm - 9:30pm	Seats (Total: 20) ARC 1115

URSP688N **Recent Developments in Urban Studies; Urban Transportation Planning and Policy**

URSP688N Recent Developments in Urban Studies: Urban Transportation Planning and Policy; (3 credits) Grade Method: REG/AUD.

0101	Hiroyuki Iseki M 4:00pm - 6:45pm	Seats (Total: 15) SQH 2119

URSP688R **Recent Developments in Urban Studies; The Carbon and Energy Economy for Planners**

URSP688R Recent Developments in Urban Studies: The Carbon and Energy Economy for Planners; (3 credits) Grade Method: REG/AUD.

0101	Sean Williamson Tu 7:00pm - 9:30pm	Seats (Total: 15) PKT 1112V

URSP688Z **Recent Developments in Urban Studies; Planning and Design in the Multicultural Metropolis**

URSP688Z Recent Developments in Urban Studies: Planning and Design in the Multicultural Metropolis; (3 credits) Grade Method: REG/AUD.

0101	Willow Lung Amam Th 7:00pm - 9:30pm	Seats (Total: 20) ARC 1127

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (6 credits) Grade Method: REG/AUD.

0101	Hiroyuki Iseki	Seats (Total: 12)
	Tu 7:00pm - 9:30pm	ARC 1119
	Th 4:00pm - 6:30pm	ARC 1119

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.

0101	James Cohen	Seats (Total: 20)
	Contact instructor or department for details.	

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 credits in URSP courses. Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Formerly: URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP804 **Advanced Planning Theory**

URSP804 Advanced Planning Theory; (3 credits) Grade Method: REG/AUD. Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry.

0101	James Cohen	Seats (Total: 10)
	Tu 1:00pm - 3:30pm	ARC 1119

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2014

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

Please visit http://amst.umd.edu/programs/course/ for more course information.
USLT201 U.S. Latina/o Studies I: An Historical Overview to the 1960's; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Ellen Griff TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1105

USLT369A **Special Topics in Study Abroad III; Thinking in Andalusian: The Antonio Machado Family of Seville**

Contact department for information to register for this course.

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

USLT498A US Latina/o Studies: Special Topics: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG/P-F/AUD.

Also offered as AMST498G. Credit granted for USLT498A or AMST498G.

0101	Robert Chester TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1107

USLT498B **US Latina/o Studies: Special Topics; Latinas/os and U.S. Popular Culture**

USLT498B US Latina/o Studies: Special Topics: Latinas/os and U.S. Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.

Also offered as AMST498M. Credit granted for USLT498B or AMST498M.

0101	Cristina Perez MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 35) ARC 1105 ONLINE

USLT498F **US Latina/o Studies: Special Topics; Latina/o Sexualities: Borders, Migration, and Citizenship**

USLT498F US Latina/o Studies: Special Topics: Latina/o Sexualities: Borders, Migration, and Citizenship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cristina Perez MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) ARC 1103 ONLINE

USLT498Y **US Latina/o Studies: Special Topics; The Politics of Chicano Literature**

USLT498Y US Latina/o Studies: Special Topics: The Politics of Chicano Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL358C and USLT498Y. Credit granted for ENGL358C, AMST328M or USLT498Y.

0101	Instructor: TBA	Seats (Total: 28)
	TuTh 12:30pm - 1:45pm	TWS 0214

VMSC Veterinary Medical Sciences Fall 2014

VMSC610 **Recombinant Viral Vectors**

VMSC610 Recombinant Viral Vectors; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. A comprehensive presentation of information on the molecular biology of the most relevent viral vectors developed to date and give insight on vector contruction, purification and utilization. Also intended for students in virology and related fields as well as to those interested in the application of viral vectors to basic research.

0101	Georgiy Belov	Seats (Total: 10)
	W 3:00pm - 5:40pm	GVC 1131

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 20)
	Contact instructor or department for details.	

VMSC689 **Use of Genomics and Proteomics in Infectious Disease**

VMSC689 Use of Genomics and Proteomics in Infectious Disease; (3 credits) Grade Method: REG/AUD.

0101	Utpal Pal, Daniel Nelson	Seats (Total: 5)
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1-3 credits) Grade Method: REG.
Class will meet in 1216 Gudelsky Building.

0101	Utpal Pal	Seats (Total: 20)
	Th 11:00am - 12:00pm	GVC 1216

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC760 **Immunology of Infectious Diseases**

VMSC760 Immunology of Infectious Diseases; (3 credits) Grade Method: REG/AUD.
An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development

0101	Xiaoping Zhu, Meiqing Shi	Seats (Total: 25)
	TuTh 1:45pm - 3:00pm	PLS 1115

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Fall 2014

WMST200 **Introduction to Women's Studies: Women and Society**

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Sina Lee TuTh 9:30am - 10:45am	Seats (Total: 25) KEY 0125	
0201	Sina Lee TuTh 12:30pm - 1:45pm	Seats (Total: 25) ASY 3215	

WMST212 **Women in Western Europe 1750-Present**

WMST212 Women in Western Europe 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST212. Credit only granted for: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0116	 Discussion

0102	Gay Gullickson TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Jaime Madden TuTh 9:30am - 10:45am	Seats (Total: 25) KEY 0124	
0201	Jaime Madden TuTh 12:30pm - 1:45pm	Seats (Total: 25) ARM 0119	
0301	Katie King Tu 3:00pm - 4:40pm Th 3:00pm - 3:50pm	Seats (Total: 16) ARC 1101 TYD 2109	Discussion
0304	Katie King Tu 3:00pm - 4:40pm Th 3:00pm - 3:50pm	Seats (Total: 16) ARC 1101 KEB 1200	Discussion
0401	Avery Dame TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130	

0501	Avery Dame TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130
0601	Justin Sprague TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0125
0701	Justin Sprague TuTh 12:30pm - 1:45pm	Seats (Total: 25) JUL 1105
0801	Donnesha Blake MWF 11:00am - 11:50am	Seats (Total: 25) WDS 0104
0901	Sun Kim MWF 11:00am - 11:50am	Seats (Total: 25) HBK 0109
1001	Eve Grice MWF 12:00pm - 12:50pm	Seats (Total: 25) HBK 1112
FC01	Jessica Vooris MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) WDS 1130
FC02	Renina Jarmon MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) WDS 1130

WMST255 **Reading Women Writing**

WMST255 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0201	Elise Auvil	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1105

WMST265 **Constructions of Manhood and Womanhood in the Black Community**

WMST265 Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives. Also offered as AASP298B. Creit granted for AASP298B or WMST265.

0101	Ida Jones	Seats (Total: 35)
	Tu 6:00pm - 8:30pm	TYD 2102

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**
Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (In Indian Society)**
Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Ines Rivera	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1117

0301	Nataliya Pratsovyta TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1107
0401	Niloufar Etemad Sarabi TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2207

WMST300 **Feminist Reconceptualizations of Knowledge**

WMST300 *(PermReq)* **Feminist Reconceptualizations of Knowledge; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Women's Studies department; and must be in Women's Studies program. An examination of how the interdisciplinary study of women and gender has generated new questions, challenged traditional methodologies and offered insights on the ways we come to learn, know, and teach. Explores the impact of feminist thinking on various disciplines.

0101	Ashwini Tambe Th 2:00pm - 4:30pm	Seats (Total: 20) JMZ 1117

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: SOCY325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Lester Andrist MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Zachary Richer MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 80) ASY 1213
0901	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 80) ASY 1213

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.* A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students or WMST students only.

0101	Nazish Salahuddin	Seats (Total: 88)
	MW 11:00am - 11:50am F 11:00am - 11:50am	CSI 2117 ONLINE

WMST348F **Literary Works by Women; Women on the Frontier**

WMST348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Leigh Ryan	Seats (Total: 28)
	TuTh 9:30am - 10:45am	TWS 1106

WMST360 **Caribbean Women**

WMST360 Caribbean Women; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of the lives and experiences of women across the Caribbean region, through an examination of their roles in individual, national, social and cultural formations. Special emphasis on contemporary women's issues and organizations.

0101	Augusta Bolles	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 2122

WMST369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**
Contact department for information to register for this course.

WMST370 **Black Feminist Thought**

WMST370 Black Feminist Thought; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course in AASP; or 1 course in WMST.* Examines the ideas, words and actions of Black women writers, speakers, artists, and activists in the United States.

0101	Michelle Rowley	Seats (Total: 30)
	TuTh 9:30am - 10:45am	HBK 0108

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.*

0101	Seung-Kyung Kim	Seats (Total: 8)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Julie Enszer	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1121

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. *Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452.* Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Linda Steiner	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KNI 1206

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Restriction: Must be in a major within ARHU-Women's Studies department; or must be in a major within SPHL-Behavioral & Community Health department. Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Sylvette La Touche-Howard	Seats (Total: 125)
	MWF 9:00am - 9:50am	SPH 1312

WMST488W **Senior Seminar; Traveling Women**

WMST488W *(PermReq)* **Senior Seminar: Traveling Women; (3 credits)** Grade Method: REG/P-F/AUD.
A look at different aspects of how, when, and where and under what kinds of circumstances women travel outside of their area of origin. ds In doing so, they fulfilled, escaped, evaded or ignored the prescribed roles assigned to women. The enormity of this inquiry requires limiting the focus and topics included in this course. Traveling Women looks at women as adventurers, those following economic necessity, and as immigrants. These events take place in different time periods, concern a range of experiences from varying cultures and societies, and are documented in course materials, such as film, history, the social sciences, journalism and literature.

0101	Augusta Bolles	Seats (Total: 15)
	Th 3:00pm - 5:30pm	WDS 2101R

WMST498A **Advanced Special Topics in Women's Studies; Community Interventions: Domestic Violence**

WMST498A Advanced Special Topics in Women's Studies: Community Interventions: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.

0101	Karen O'Brien	Seats (Total: 35)
	MW 8:00am - 9:15am	PLS 1111

WMST498F **Advanced Special Topics in Women's Studies; Gender and Migration: Global Trends and the Israeli Case**

WMST498F Advanced Special Topics in Women's Studies: Gender and Migration: Global Trends and the Israeli Case; (3 credits) Grade Method: REG/P-F/AUD.

Also offered as ISRL349W and SOCY398F. Credit will be granted for ISRL349W, SOCY398F or WMST498F. Increased migration, particularly among women, is one of the most discussed aspects of present-day globalization. Yet the discourse about migration both in the media and within academia is still often gender-blind. Through historical and sociological literature this course will critically survey the impact of gender on migration and its relations to ethnicity and race.

0101	Pnina Peri MW 3:30pm - 4:45pm	Seats (Total: 35) SQH 1121

WMST498I **Advanced Special Topics in Women's Studies; Health Inequalities by Race, Gender and Class**

WMST498I Advanced Special Topics in Women's Studies: Health Inequalities by Race, Gender and Class; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ruth Zambrana Tu 2:00pm - 4:30pm	Seats (Total: 30) TYD 0101

WMST498J **Advanced Special Topics in Women's Studies; Contemporary Chinese and Chinese-American Cinema on Women**

WMST498J Advanced Special Topics in Women's Studies: Contemporary Chinese and Chinese-American Cinema on Women; (3 credits) Grade Method: REG/P-F/AUD.

Also offered as ARTH488C and FILM429C. Credit granted for ARTH488C, FILM429C, or WMST498J. Through a transnational study of major filmmakers from mainland China to Hong Kong, Taiwan, and the Chinese diaspora, the course is intended to consider issues of female cinematic authorship, gender and sexuality in cinematic representation, power and knowledge, negotiations of local and global cultural politics.

0101	Jason Kuo TuTh 12:30pm - 1:45pm	Seats (Total: 10) HBK 0302J

WMST498L **Advanced Special Topics in Women's Studies; Women in Israel**
Contact department for information to register for this course.

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST601 **Approaches to Women's Studies I**

WMST601 *(PermReq)* **Approaches to Women's Studies I; (3 credits)** Grade Method: REG.
Prerequisite: WMST400; or students who have taken courses with comparable content may contact the department. Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.

0101	Deborah Rosenfelt	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 2120

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For WMST major onlys.

0101	Katie King	Seats (Total: 4)
	Contact instructor or department for details.	

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. For WMST majors only.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F.

0101	Michelle Rowley Contact instructor or department for details.	Seats (Total: 18)

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 2)
0201	Augusta Bolles Contact instructor or department for details.	Seats (Total: 2)
0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 2)
0501	Katie King Contact instructor or department for details.	Seats (Total: 2)
0601	Michelle Rowley Contact instructor or department for details.	Seats (Total: 2)
0701	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898	**Pre-Candidacy Research** **WMST898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
WMST899	**Doctoral Dissertation Research** **WMST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**